

## *Division of Signal Transduction Therapy*

### **Standard Operation Procedure**

#### **Preparation of FADD**

|                                                         |                             |
|---------------------------------------------------------|-----------------------------|
| <b><u>Enzyme description:-</u></b>                      | FADD 1-208 = full length    |
| <b><u>Clone number:-</u></b>                            | DU30001                     |
| <b><u>Source:-</u></b>                                  | bacteria                    |
| <b><u>Tag:-</u></b>                                     | cleaved from N-terminal GST |
| <b><u>Purification method:-</u></b>                     | GSH-Sepharose               |
| <b><u>Expression level:-</u></b>                        | 1 mg/L                      |
| <b><u>Calculated molecular mass:-</u></b>               |                             |
| Monoisotopic                                            | 23676                       |
| Average Mass                                            | 23689                       |
| [cysteines reduced, methionines have not been oxidised] |                             |
| <b><u>Theoretical pI:-</u></b>                          | 5.68                        |
| <b><u>Purity:-</u></b>                                  | 90%                         |
| <b><u>Enzyme storage buffer:-</u></b>                   |                             |
| 50 mM HEPES pH 7.5, 150mM NaCl, 1mM DTT                 |                             |
| <b><u>Storage temperature:-</u></b>                     | -80°C                       |
| <b><u>Assay:-</u></b>                                   |                             |

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### Clone Data Sheet

#### Protein name FADD

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>Protein</u></b>                             | FADD 1-208 = full length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b><u>Synonyms</u></b>                            | Fas-associated via death domain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b><u>Clone Number</u></b>                        | DU30001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b><u>Species</u></b>                             | human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b><u>Accession Number</u></b>                    | Protein: Q13158    DNA: NM_003824                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b><u>Tags</u></b>                                | cleaved from N-terminal GST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Aminoacid sequence<br>of the expressed<br>protein | <b><u>GPLGSMDPFLVLLHSVSSSLSSSELTELKFLCLGRVGRKRLERVQSGLDLF</u></b><br><b><u>SMLLEQNDLEPGHTELLRELLASLRRHDLRRVDDFEAGAAAGAAPGEEDL</u></b><br><b><u>CAAFNVICDNVGKDWRRLARQLKVSDTKIDSIEDRYPRNLTERVRESLRIW</u></b><br><b><u>KNTEKENATVAHLVGALRSCQMNLVADLVQEVQQARDLQNRSGAMSPMSWN</u></b><br><b><u>SDASTSEAS</u></b>                                                                                                                                                                                                                                                                                                                                                                                                    |
| Native sequence                                   | in bold                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Protease cleavage                                 | Prescission protease underlined                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cloning sites                                     | BamH1 / Not1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b><u>DNA sequence of<br/>the insert</u></b>      | GGATCCATGGACCCGTTCTGCTGCTGCACTCGGTGTCGTCCAGCCTG<br>TCGAGCAGCGAGCTGACCGAGCTCAAGTTCCTATGCCTCGGGCGCGTGGGC<br>AAGCGCAAGCTGGAGCGCGTGCAGAGCGGCCTAGACCTCTTCTCCATGCTG<br>CTGGAGCAGAACGACCTGGAGCCCGGGCACACCGAGCTCCTGCGCGAGCTG<br>CTCGCCTCCCTGCGGCGCCACGACCTGCTGCGGCGCGTCGACGACTTCGAG<br>GCGGGGGCGGCGGCCGGGGCCGCGCCTGGGGAAGAAGACCTGTGTGCAGCA<br>TTTAACGTCATATGTGATAATGTGGGGAAAGATTGGAGAAGGCTGGCTCGT<br>CAGCTCAAAGTCTCAGACACCAAGATCGACAGCATCGAGGACAGATACCCC<br>CGCAACCTGACAGAGCGTGTGCGGGAGTCACTGAGAATCTGGAAGAACACA<br>GAGAAGGAGAACGCAACAGTGGCCACCTGGTGGGGGCTCTCAGGTCCTGC<br>CAGATGAACCTGGTGGCTGACCTGGTACAAGAGGTTACGACAGGCCCGTGAC<br>CTCCAGAACAGGAGTGGGGCCATGTCCCCGATGTCATGGAACCTCAGACGCA<br>TCTACCTCCGAAGCGTCTGAGCGGCCGC |