

Division of Signal Transduction Therapy

Standard Operation Procedure

Preparation of GST-UBE2D3

Enzyme description:- GST-UBE2D3 (2-147)

Clone number:- DU4155

Source:- human recombinant

Tag:- N-terminal GST-tag

Purification method:- GSH-Sepharose

Expression system:- *E.coli*

Calculated molecular mass:-

Monoisotopic 43351 Da

Average Mass 43379 Da

[cysteines reduced, methionines have not been oxidised]

Theoretical pI:- 6.49

Purity:- 90%

Enzyme storage buffer:-

50mM HEPES pH 7.5, 150mM NaCl, 10% glycerol, 1mM DTT

Storage temperature:- -80°C

Assay:-

Loading with Ubiquitin and UBE1 in the presence of Mg-ATP

Division of Signal Transduction Therapy

Clone Data Sheet

GST-UBE2D3

Protein GST-UBE2D3 2-147
Synonyms UbcH5c, E2D3
Clone Number DU4155
Species Human
Accession Number Protein: P61077 DNA: NM_003340
Tags N-terminal GST tag
Aminoacid sequence of the expressed protein
Native sequence Start Methionine is missing
Protease cleavage Precission site underlined
Cloning sites BamH1 / Not1

DNA sequence of the expression cassette

ATGTCCTTATACTAGGTTATTGGAAAATTAAGGGCCTTGTGCAACCCAC
TCGACTTCTTTTGGAAATATCTTGAAGAAAAATATGAAGAGCATTGTGATG
AGCGCGATGAAGGTGATAAATGGCGAAACAAAAAGTTTGAATTGGGTTTG
GAGTTTCCCAATCTTCCTTATTATATTGATGGTGATGTTAAATTAACACA
GTCTATGGCCATCATACTTATATAGCTGACAAGCACAAATGTTGGGTG
GTTGTCCAAAAGAGCGTGCAGAGATTTCAATGCTTGAAGGAGCGGTTTTG
GATATTAGATACGGTGTTCGAGAATTGCATATAGTAAAGACTTTGAAAC
TCTCAAAGTTGATTTTCTTAGCAAGCTACCTGAAATGCTGAAAATGTTTCG
AAGATCGTTTATGTCATAAAACATATTTAAATGGTGATCATGTAACCCAT
CCTGACTTCATGTTGTATGACGCTCTTGATGTTGTTTTATACATGGACCC
AATGTGCCTGGATGCGTTCCCAAATTAGTTTGTGTTTTAAAAACGTATTG
AAGCTATCCACAAATTGATAAGTACTTGAATCCAGCAAGTATATAGCA
TGGCCTTTGCAGGGCTGGCAAGCCACGTTTGGTGGTGGCGACCATCCTCC
AAAATCGGATCTGGAAGTTCTGTTCCAGGGGCCCTGGGATCCGCGCTGA
AACGATTAATAAGGAACCTTAGTGATTTGGCCCGTGACCCCTCCAGCACAA
TGTTCTGCAGGTCCAGTTGGGGATGATATGTTTCATTGGCAAGCCACAAT
TATGGGACCTAATGACAGCCCATATCAAGGCGGTGATTCTTTTTTGACAA
TTCATTTTCTACAGACTACCCCTTCAAACCACCTAAGGTTGCATTTACA
ACAAGAATTTATCATCAAATATTAACAGTAATGGCAGCATTTGTCTCGA
TATCTAAGATCACAGTGGTCGCTTAAACAATTTCTAAAGTTCTTT
TATCCATTTGTTCACTGCTATGTGATCCAAACCCAGATGACCCCTAGTG
CCAGAGATTGCACGGATCTATAAAACAGACAGAGATAAGTACAACAGAAT
ATCTCGGGAATGGACTCAGAAGTATGCGATGTAAGCGGCCG