

Division of Signal Transduction Therapy

Standard Operation Procedure

Preparation of VAPB aa 1-210

<u>Enzyme description:-</u>	VAPB aa 1-210
<u>Clone number:-</u>	DU22586
<u>Source:-</u>	bacterial recombinant
<u>Tag:-</u>	cleaved from GST-TEV-
<u>Purification method:-</u>	GSH-Sepharose, TEV-protease treatment
<u>Expression level:-</u>	5 mg/L
<u>Calculated molecular mass:-</u>	
Monoisotopic	23779 Da
Average Mass	23793 Da
[cysteines reduced, methionines have not been oxidised]	
<u>Theoretical pI:-</u>	6.7
<u>Purity:-</u>	90%
<u>Enzyme storage buffer:-</u>	
50 mM HEPES pH 7.5, 150mM NaCl, 1mM DTT	
<u>Storage temperature:-</u>	-80°C
<u>Assay:-</u>	

Division of Signal Transduction Therapy

Clone Data Sheet

Protein name VAPB aa 1-210

<u>Protein</u>	VAPB 1-210
<u>Synonyms</u>	VAMP-B, Vesicle-associated membrane protein-associated protein B/C
<u>Clone Number</u>	DU22586
<u>Species</u>	human
<u>Accession Number</u>	Protein: O95292 DNA: NM_004738.3

Aminoacid sequence of the purified protein **MAKVEQVLSLEPQHELKFRGPFTDVVTTNLKLGNPDRNVCFKVKTT
APRRYCVRPNSGIIIDAGASINVSVMLOPFDYDPNEKSKHKFMVQSMF
APDTSDEAVWKEAKPEDLMDSKLRVFEPAENDKPHDVEINKII
STTASKTETPIVSKSLSSSLDDTEVKKVMEECKRLQGEVQRLREENK
QFKEEDGLMRKTVQSNPISIA**

Native sequence in bold

Protease cleavage cleaved from GST with TEV protease (blunt)

Cloning sites BamH1 / NotI

DNA sequence of the expression cassette

ATGTCCCCTATACTAGGTTATTGGAAAATTAAGGGCCTTGTGCAACCCACTCG
ACTTCTTTTGGGAATATCTTGAAGAAAAATATGAAGAGCATTGTATGAGCGCG
ATGAAGGTGATAAATGGCGAAACAAAAAGTTTGAATTGGGTTTGGAGTTTCCC
AATCTTCCTTATTATATTGATGGTGATGTTAAATTAACACAGTCTATGGCCAT
CATACGTTATATAGCTGACAAGCACAACATGTTGGGTGGTTGTCCAAAAGAGC
GTGCAGAGATTTCAATGCTTGAAGGAGCGGTTTTGGATATTAGATACGGTGTT
TCGAGAATTGCATATAGTAAAGACTTTGAACTCTCAAAGTTGATTTTCTTAG
CAAGCTACCTGAAATGCTGAAAATGTTCTGAAGATCGTTTATGTCATAAAACAT
ATTTAAATGGTGATCATGTAACCCATCCTGACTTCATGTTGTATGACGCTCTT
GATGTTGTTTTATACATGGACCCAATGTGCCTGGATGCGTTCCCAAATTAGT
TTGTTTTAAAAACGTATTGAAGCTATCCACAAATTGATAAGTACTTGAAAT
CCAGCAAGTATATAGCATGGCCTTTCAGGGCTGGCAAGCCACGTTTGGTGGT
GGCGACCATCCTCCAAAATCGGATGAAAACCTGTATTTTCAGATGGCGAAGGT
GGAGCAGGTCCTGAGCCTCGAGCCGCAGCACGAGCTCAAATTCCGAGGTCCCT
TCACCGATGTTGTCACCACCAACCTAAAGCTTGGCAACCCGACAGACCGAAAT
GTGTGTTTTAAGGTGAAGACTACAGCACACGTAAGTACTGTGTGAGGCCCAA
CAGCGGAATCATCGATGCAGGGGCTCAATTAATGTATCTGTGATGTTACAGC
CTTTCGATTATGATCCCAATGAGAAAAGTAAACACAAGTTTATGGTTCAGTCT
ATGTTTGCTCCAACTGACACTTCAGATATGGAAGCAGTATGGAAGGAGGCAAA
ACCGGAAGACCTTATGGATTCAAACTTAGATGTGTGTTTGAATTGCCAGCAG
AGAATGATAAACCACATGATGTAGAAATAAATAAAATTATATCCACAACCTGCA
TCAAAGACAGAAACACCAATAGTGTCTAAGTCTCTGAGTTCTTCTTTGGATGA
CACCGAAGTTAAGAAGGTTATGGAAGAATGTAAGAGGCTGCAAGGTGAAGTTC
AGAGGCTACGGGAGGAGAACAAGCAGTTCAAGGAAGAAGATGGACTGCGGATG
AGGAAGACAGTGCAGAGCAACAGCCCCATTTTCAGCATAGcgggccgc