Division of Signal Transduction Therapy

Standard Operation Procedure

Preparation of VAPB aa 1-210 [K87D M89D]

Enzyme description:- VAPB aa 1-210 [K87D M89D]

Clone number:- DU22589

Source:- bacterial recombinant

Tag:- cleaved from GST-TEV-

Purification method:- GSH-Sepharose, TEV-protease treatment

Expression level:- 5 mg/L

Calculated molecular mass:-

Monoisotopic	23749 Da
Average Mass	23764 Da

[cysteines reduced, methionines have not been oxidised]

Theoretical pI:- 5.73

Purity:- 90%

Enzyme storage buffer:-

50 mM HEPES pH 7.5, 150mM NaCl, 1mM DTT

Storage temperature:- -80ºC

Assay:-

Division of Signal Transduction Therapy

Clone Data Sheet

Protein name VAPB aa 1-210 [K87D M89D]

Protein	VAPB 1-210 [K87D M89D]
Synonyms	VAMP-B, Vesicle-associated membrane protein-associated protein B/C
Clone Number	DU22589
Species	human
Accession Number	Protein: O95292 DNA: NM_004738.3

Aminoacid sequence of the purified protein

MAKVEQVLSLEPQHELKFRGPFTDVVTTNLKLGNPTDRNVCFKVKTT APRRYCVRPNSGIIDAGASINVSVMLQPFDYDPNEKSKHDFDVQSMF APTDTSDMEAVWKEAKPEDLMDSKLRCVFELPAENDKPHDVEINKII STTASKTETPIVSKSLSSSLDDTEVKKVMEECKRLQGEVQRLREENK QFKEEDGLRMRKTVQSNSPISA

Native sequence: in bold

Protease cleavage: cleaved from GST with TEV-protease

Cloning sites: BamH1 / Not1

DNA sequence of the expression cassette

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ATGTCCCCTATACTAGGTTATTGGAAAATTAAGGGCCTTGTGCAACCCACT
CGACTTCTTTTGGAATATCTTGAAGAAAAATATGAAGAGCATTTGTATGAG
CGCGATGAAGGTGATAAATGGCGAAACAAAAAGTTTGAATTGGGTTTGGAG
TTTCCCAATCTTCCTTATTATATTGATGGTGATGTTAAATTAACACAGTCT
ATGGCCATCATACGTTATATAGCTGACAAGCACAACATGTTGGGTGGTTGT
CCAAAAGAGCGTGCAGAGATTTCAATGCTTGAAGGAGCGGTTTTGGATATT
AGATACGGTGTTTCGAGAATTGCATATAGTAAAGACTTTGAAACTCTCAAA
GTTGATTTTCTTAGCAAGCTACCTGAAATGCTGAAAATGTTCGAAGATCGT
TTATGTCATAAAACATATTTAAATGGTGATCATGTAACCCATCCTGACTTC
ATGTTGTATGACGCTCTTGATGTTGTTTTATACATGGACCCAATGTGCCTG
GATGCGTTCCCAAAATTAGTTTGTTTTAAAAAACGTATTGAAGCTATCCCA
CAAATTGATAAGTACTTGAAATCCAGCAAGTATATAGCATGGCCTTTGCAG
GGCTGGCAAGCCACGTTTGGTGGTGGCGACCATCCTCCAAAATCGGATGAA
AACCTGTATTTTCAGATGGCGAAGGTGGAGCAGGTCCTGAGCCTCGAGCCG
CAGCACGAGCTCAAATTCCGAGGTCCCTTCACCGATGTTGTCACCACCAAC
CTAAAGCTTGGCAACCCGACAGACCGAAATGTGTGTTTTAAGGTGAAGACT
ACAGCACCACGTAGGTACTGTGTGAGGCCCAACAGCGGAATCATCGATGCA
GGGGCCTCAATTAATGTATCTGTGATGTTACAGCCTTTCGATTATGATCCC
AATGAGAAAAGTAAACACgacTTTgacGTTCAGTCTATGTTTGCTCCAACT
GACACTTCAGATATGGAAGCAGTATGGAAGGAGGCAAAACCGGAAGACCTT
ATGGATTCAAAACTTAGATGTGTGTTTGAATTGCCAGCAGAGAATGATAAA
CCACATGATGTAGAAATAAATAAAATTATATCCACAACTGCATCAAAGACA
GAAACACCAATAGTGTCTAAGTCTCTGAGTTCTTCTTTGGATGACACCGAA
GTTAAGAAGGTTATGGAAGAATGTAAGAGGCTGCAAGGTGAAGTTCAGAGG
CTACGGGAGGAGAACAAGCAGTTCAAGGAAGAAGATGGACTGCGGATGAGG
AAGACAGTGCAGAGCAACAGCCCCATTTCAGCATAGgcggccgc
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