

Recombinant Human VAPB, His-tagged

Cat. No. VAPB-2875H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human VAPB protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
Description	VAPB, also known as vesicle-associated membrane protein (VAMP)-associated protein B, is a type IV transmembrane protein and member of the VAP family of proteins. This protein may play a role in vesicle trafficking. It is found in plasma and intracellular vesicle membranes as a homodimer and heterodimer with VAPA, and interacts with VAMP1 and VAMP2. Defects in VAPB are a cause of amyotrophic lateral sclerosis type 8 and spinal muscular atrophy autosomal dominant Finkel type.
Sequence	MGSSHHHHHH SSGLVPRGSH MAKVEQVLSL EPQHELKFRG PFTDVVTTNL KLGNP TDRNV CFKVKTTAPR RYCVRPNSGI IDAGASINVS VMLQPFDYDP NEKSKHKFMV QSMFAPTDTS DMEAVWKEAK PEDLMDSKLR CVFELPAEND KPHDVEINKI ISTTASKTET PIVSKSLSSS LDDTEVKKVM EECKRLQGEV QRLREENKQF KEEDGLRMRK TVQSNPISA LAP TGKEEGL ST.
Purity	> 90% by SDS – PAGE.
MW	27.1 kDa (242aa) confirmed by MALDI-TOF.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 2mM DTT, 50mM

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NaCl, 0.1mM PMSF.

Concentration 1mg/ml (determined by Bradford assay).

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name VAPB VAMP (vesicle-associated membrane protein)-associated protein B and C [Homo sapiens]

Synonyms VAPB; VAMP (vesicle-associated membrane protein)-associated protein B and C; RP5-1018E9.1, ALS8, VAMP-B, VAP-B; VAMP-associated 33 kDa protein; vesicle-associated membrane protein-associated protein B/C

Gene ID 9217

mRNA Refseq NM_001195677

Protein Refseq NP_001182606

MIM 605704

UniProt ID O95292

Chromosome Location 20q13.33

Pathway Metabolism of lipids and lipoproteins

Function beta-tubulin binding; enzyme binding; protein heterodimerization activity; structural

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molecule activity

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