

Recombinant Human Vesicle-associated Membrane Protein 4, His-tagged

Cat. No. VAMP4-484H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human VAMP4 protein, fused to His-tag at C-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography. MW = 14.5 kDa (123aa).
Species	Human
Source	E.coli
Description	VAMP4, also known as vesicle-associated membrane protein 4, is a member of the synaptobrevin family involved in docking and/or fusion of vesicles with cell membrane. This protein is enriched in the trans-Golgi network and may play a role in trans-Golgi network-to-endosome transport. VAMP4 is involved in the pathway that functions to remove an inhibitor (probably synaptotagmin-4) of calcium-triggered exocytosis during the maturation of secretory granules.
Amino Acid Sequence	MPPKFKRHLN DDDVTGSVKS ERRNLLEDDS DEEEDFFLRG PSGPRFGPRN DKIKHVQNQV DEVIDVMQEN ITKVIERGER LDELQDKSES LSDNATAFSN RSKQLRRQMW WRGCKLEHHH HHH.
Form	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.1 M NaCl, and 20% glycerol.
Purity	> 90% by SDS – PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).

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Endotoxin Level < 1.0 EU per 1 µg of protein (determined by LAL method).

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 [VAMP4 vesicle-associated membrane protein 4 \[Homo sapiens \]](#)

Synonyms VAMP4; vesicle-associated membrane protein 4; VAMP24;VAMP-4

Gene ID [8674](#)

mRNA Refseq [NM_003762](#)

Protein Refseq [NP_003753](#)

MIM [606909](#)

UniProt ID [O75379](#)

Chromosome Location 1q24-q25

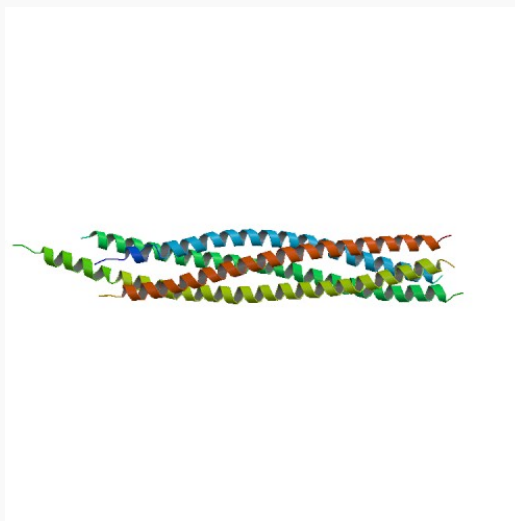
Pathway SNARE interactions in vesicular transport

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on 2nps.



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