

32-5210: Recombinant Human Vesicle-Associated Membrane Protein 4

Alternative Name : Vesicle-associated membrane protein 4,VAMP-4,VAMP4,VAMP24.

Description

Source : Escherichia Coli. VAMP4 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 123 amino acids (1-115 a.a.) and having a molecular mass of 14.5kDa.VAMP4 is fused to 8 amino acids His Tag at C-terminus and purified by proprietary chromatographic techniques. VAMP4 belongs to the synaptobrevin family who are involved in docking and/or fusion of vesicles with cell membrane. VAMP4 is enriched in the trans-Golgi network and may be a factor in the trans-Golgi network-to-endosome transport. VAMP4 is involved in the pathway which functions to eliminate an inhibitor (most likely synaptotagmin-4) of calcium-triggered exocytosis during the maturation of secretory granules. Synaptobrevins, syntaxins, and SNAP25 are the chief components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The VAMP4 protein solution contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, and 20% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MPPKFKRHLN DDDVTGSVKS ERRNLEDDSD DEEDFFLRG PSGPRFGPRN DKIKHVQNQV DEVIDVMQEN ITKVIERGER LDELQKSES LSDNATAFSN RSKQLRRQMW WRGCKLEHHH HHH.