9051 Mira Mesa Blvd, #910094
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VAMP4 Human

Vesicle-associated membrane protein 4 Human Recombinant
RCP2536

Product Overview

Name	VAMP4 Human
Description	
Vesicle-associated membrane protein 4 Human Recombinant	
Accession (Primary)	O75379
Synonyms	
Vesicle-associated membrane protein 4, VAMP-4, VAMP4, VAMP24.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The VAMP4 protein solution contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, and 20% glycerol.	
Stability	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MPPKFKRHLN DDDVTGSVKS ERRNLLEDDS DEEEDFFLRG PSGPRFGPRN DKIKHVQNQV DEVIDVMQEN ITKVIERGER LDELQDKSES LSDNATAFSN RSKQLRRQMW WRGCK LEHHH HHH .	
Precautions	

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VAMP4 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O75379)