9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

VAMP7 Human

Vesicle-Associated Membrane Protein 7 Human Recombinant
RCP2538

Product Overview

Name	VAMP7 Human
Description	
Vesicle-Associated Membrane Protein 7 Human Recombinant	
Accession (Primary)	P51809
Synonyms	
Vesicle-associated membrane protein 7, Tetanus-insensitive VAMP, tetanus neurotoxin-insensitive VAMP, Synaptobrevin-like protein 1, TI-VAMP, VAMP-7, TIVAMP, SYBL1.	
Introduction	
Vesicle-Associated Membrane Protein 7 (VAMP7) is a member of the synaptobrevin family. VAMP7 is a transmembrane protein, which is a member of the soluble N-ethylmaleimide-sensitive factor attachment protein receptor (SNARE) family. VAMP7 is involved in the targeting and/or fusion of transport vesicles to their target membrane during transport of proteins from the early endosome to the lysosome. VAMP7 localizes to late endosomes and lysosomes and is involved in the fusion of transport vesicles to their target membranes. VAMP7 is essential for heterotypic fusion of late endosomes with lysosomes and homotypic lysosomal fusion. It is also necessary for calcium regulated lysosomal exocytosis. In addition, VAMP7 is involved in the export of chylomicrons from the endoplasmic reticulum to the cis Golgi. Furthermore, VAMP7 is needed for exocytosis of mediators during eosinophil and neutrophil degranulation, and target cell killing by natural killer cells.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The VAMP7 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M 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% as determined by SDS-PAGE.	

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Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MAILFAV VARGTTILAK HAWCGGNFLE VTEQILAKIP SENNKLTYSH

GNYLFHYICQ DRIVYLCITD DDFERSRAFN FLNEIKKRFQ TTYGSRAQTA LPYAMNSEFS SVLAAQLKHH

SENKGLDKVM ETQAQVDELK GIMVRNIDLV AQRGERLELL IDKTENLVDS SVTFKTTSRN LARAMCMKNL K

Precautions

VAMP7 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P51809)