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California Bioscience

Product Datasheet

Product Name	Endobrevin Human Recombinant
Cata No	CB501516
Source	*Escherichia Coli.*
Synonyms	VAMP8, VAMP-8, Endobrevin, Vesicle-Associated Membrane Protein 8, EDB.

Description
VAMP8 also called endobrevin, is the main component of a SNARE complex involved in the docking and fusion of synaptic vesicles with the presynaptic membrane. VAMP8 protein is involved in the regulatation of enzyme secretion in pancreatic acinar cells and plays a part in the abscission of the midbody during cell division, which leads to completely separate daughter cells. VAMP8 is essential for dense-granule secretion in platelets. VAMP8 is related with the perinuclear vesicular structures of the early endocytic compartment. VAMP8 interacts particularly with the soluble NSF-attachment protein (alpha-SNAP), through an VAMP8-containing SNARE complex.
VAMP8 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 96 amino acids (1-76 a.a.) and having a molecular mass of 10.9 kDa. The VAMP8 is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary chromatography techniques.

Physical Appearance
Sterile Filtered colorless solution.

Purity
Greater than 95.0% as determined by SDS-PAGE.

Formulation
The VAMP8 protein solution contains 20mM Tris pH-8 and 30% glycerol.

Stability
VAMP8 although stable 4°C for 4 weeks, should be stored desiccated below -18°C.
For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Please prevent freeze-thaw cycles.

Sequence
MGSSHHHHHH SSGLVPRGSH MEEASEGGGN DRVRNLQSEV EGVKNIMTQN VERILARGEN LEHLRNKTED LEATSEHFKT TSQKVARKFW WKNVKM.

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