



## Product Datasheet

<b>Product Name</b>	Synaptobrevin-3 Human Recombinant
<b>Cata No</b>	CB501508
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	VAMP3, VAMP-3, Cellubrevin, Vesicle-Associated Membrane Protein 3, Synaptobrevin-3, CEB, SYB3.

### Description

VAMP3 is present in recycling endosomes and endosome-derived vesicles. VAMP3 has been implicated in recycling of transferrin receptors to the plasma membrane, secretion of alpha-granules in platelets, recycling of T-cell receptors to the immunological synapses, and membrane trafficking during cell migration. VAMP-3 is present in human platelets and necessary for granule secretion. Synaptobrevins are the main components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane. VAMP3 high homology to other VAMPs in its broad tissue distribution and subcellular localization is shown to be the human equivalent of the rodent cellubrevin. In platelets the protein resides on a compartment that is not mobilized to the plasma membrane on calcium or thrombin stimulation.

VAMP3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 77 amino acids and having a molecular mass of 8.7 kDa.

### Physical Appearance

Sterile Filtered colorless solution.

### Purity

Greater than 95.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Analysis by SDS-PAGE.

### Formulation

The VAMP3 protein solution contains 20mM Tris pH-7.5 and 10% glycerol.

### Stability

VAMP3 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

MSTGPTAATG SNRRLQQTQN QVDEVVDIMR  
VNVDKVLERD QKLSELDDRA DALQAGASQF  
ETSAAKLKRK YWWKNCK.