



Product Datasheet

Product Name	Synaptobrevin-1 Human Recombinant
Cata No	CB501188
Source	<i>Escherichia Coli.</i>
Synonyms	Vesicle-associated membrane protein 1, SYB1, VAMP-1, Synaptobrevin-1, VAMP1, DKFZp686H12131.

Description

Synaptobrevin 1 (Vesicle-associated membrane, VAMP1) is one of the key proteins in the SNARE complex which is involved in regulated exocytosis. Synaptobrevin1 binds to t-SNAREs, syntaxin (STX) and SNAP25, after the fusion of synaptic vesicles to plasma membrane.

VAMP1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 111 amino acids and having a molecular mass of 11.9 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 protein solution (1mg/ml) contains 1X PBS and 1mM EDTA.

Stability

Synaptobrevin 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 MSAPAQPPAE
GTEGTAPGGG PPGPPNMTS
NRRLQQTQAQVEEVVDIIRV NVDKVLERDQ
KLSELDDRAD ALQAGASQFE SSAAKLKRKY W