

Recombinant Human VAMP1

Cat. No. VAMP1-215H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VAMP1 produced in <i>E. Coli</i> is a single, non-glycosylated polypeptide chain. The protein contains 111 amino acids and has a molecular mass of 11.9 kDa.
Species	Human
Source	E.coli
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.
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MSAPAQPPAE GTEGTAPGGG PPGPPPNMTS NRRLQQTQAQVEEVVDIIRV NVDKVLERDQ KLSELDADRAD ALQAGASQFE SSAAKLKRKY W.
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 14°C for 4 weeks, should be stored desiccated below -

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18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

GENE INFORMATION

Gene Name	VAMP1 vesicle-associated membrane protein 1 (synaptobrevin 1) [Homo sapiens]
Synonyms	VAMP1; vesicle-associated membrane protein 1 (synaptobrevin 1); SYB1; VAMP-1; DKFZp686H12131; Synaptobrevin-1; vesicle-associated membrane protein 1; synaptobrevin 1
Gene ID	6843
mRNA Refseq	NM_014231
Protein Refseq	NP_055046
UniProt ID	P23763
Chromosome Location	12p
MIM	185880
Pathway	SNARE interactions in vesicular transport; Botulinum neurotoxicity
Function	protein binding

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