

Recombinant Human Vesicle-associated Membrane Protein 1 (Synaptobrevin 1), His-tagged

Cat. No. VAMP1-297H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Synaptobrevin1, fused to His- tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (111 aa, 11.9 kDa).
Species	Human
Source	E.coli
ProteinLength	1-91 aa
Description	Synaptobrevin 1(Vehicle-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.
Form	Liquid. In PBS (pH 7.4) containing 1 mM DTT.
Purity	> 95% by SDS-PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MSAPAQPPAE GTEGTAPGGGPPGPPPNMT S NRRLQQTQAQ VEEVVDIIRV NVDKVLERDQ KLSELDDRAD ALQAGASQF E SSAAKLKRKY W

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

VAMP1 vesicle-associated membrane protein 1 (synaptobrevin 1) [Homo sapiens]

Synonyms

VAMP1; vesicle-associated membrane protein 1 (synaptobrevin 1); Synaptobrevin-1; synaptobrevin 1; DKFZp686H12131; SYB1; VAMP-1; vesicle-associated membrane protein 1; Vesicle-associated membrane protein 1 (synaptobrevin 1).

Gene ID

6843

mRNA Refseq

NM_014231

Protein Refseq

NP_055046

MIM

185880

UniProt ID

P23763

**Chromosome
Location**

12p

Function

protein binding.

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PDBrendering based
on 1kil.Available
structures:1kil,1n7s.



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