

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

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

## SPECIFICATION

<b>Product Overview</b>	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).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-91 aa
<b>Description</b>	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.
<b>Form</b>	Liquid. In PBS (pH 7.4) containing 1 mM DTT.
<b>Purity</b>	> 95% by SDS-PAGE.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay).
<b>Sequences of amino acids</b>	MGSSHHHHHH SSGLVPRGSH MSAPAQPPAE GTEGTAPGGGPPGPPNMT S NRRLQQTQQAQ 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.

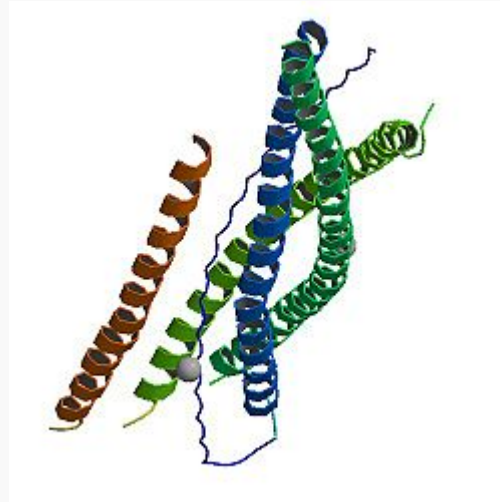
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PDBrendering based  
on 1kil.Available  
structures:1kil,1n7s.



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