

## Recombinant Human VAMP1, His-tagged

Cat. No. VAMP1-31695TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 1-91 of Human VAMP1 with an N terminal His tag.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-91 a.a.
<b>Description</b>	Synaptobrevins/VAMPs, syntaxins, and the 25-kD synaptosomal-associated protein SNAP25 are the main components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane. VAMP1 is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. Multiple alternative splice variants that encode proteins with alternative carboxy ends have been described, but the full-length nature of some variants has not been defined.
<b>Conjugation</b>	HIS
<b>Tissue specificity</b>	Nervous system, skeletal muscle and adipose tissue.
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE

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<b>Storage buffer</b>	Preservative: None Constituents: PBS, 1mM EDTA, pH 7.4
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	MGSSHHHHHH SSGLVPRGSH MSAPAQPPAE GTEGTAPGGG PPGPPNMTS NRRLQQTQAA VEEVVDIIRV NVDKVLERDQ KLSLDDRAD ALQAGASQFE SSAAKLKRKY W
<b>Sequence Similarities</b>	Belongs to the synaptobrevin family. Contains 1 v-SNARE coiled-coil homology domain.

## GENE INFORMATION

<b>Gene Name</b>	VAMP1 vesicle-associated membrane protein 1 (synaptobrevin 1) [ Homo sapiens ]
<b>Official Symbol</b>	VAMP1
<b>Synonyms</b>	VAMP1; vesicle-associated membrane protein 1 (synaptobrevin 1); SYB1; vesicle-associated membrane protein 1; VAMP 1;
<b>Gene ID</b>	6843
<b>mRNA Refseq</b>	NM_014231
<b>Protein Refseq</b>	NP_055046
<b>MIM</b>	185880
<b>Uniprot ID</b>	P23763
<b>Chromosome Location</b>	12p

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**Pathway**

BoNT Light Chain Types B, D, and F cleave VAMP/Synaptobrevin, organism-specific biosystem; Botulinum neurotoxicity, organism-specific biosystem; Neuronal System, organism-specific biosystem; Proteolytic cleavage of SNARE complex proteins, organism-specific biosystem; SNARE interactions in vesicular transport, organism-specific biosystem;

**Function**

protein binding;

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