

Recombinant Human VAMP1, His-tagged

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

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1-91 of Human VAMP1 with an N terminal His tag.
Species	Human
Source	E.coli
ProteinLength	1-91 a.a.
Description	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.
Conjugation	HIS
Tissue specificity	Nervous system, skeletal muscle and adipose tissue.
Form	Liquid
Purity	>95% by SDS-PAGE

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

GENE INFORMATION

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