

Recombinant Human VAMP1 Protein, His&GST-tagged

Cat. No. VAMP1-543H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VAMP1 Protein (Met1-Val111) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Val111
Description	Synaptobrevins, syntaxins, and the 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. The protein encoded by this gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. Mutations in this gene are associated with autosomal dominant spastic ataxia 1. Multiple alternative splice variants have been described, but the full-length nature of some variants has not been defined.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.0 kDa Accurate Molecular Mass: 42 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	VAMP1 vesicle-associated membrane protein 1 (synaptobrevin 1) [Homo sapiens (human)]
Official Symbol	VAMP1
Synonyms	VAMP1; vesicle-associated membrane protein 1 (synaptobrevin 1); SYB1; vesicle-associated membrane protein 1; VAMP 1; synaptobrevin 1; synaptobrevin-1; VAMP-1; DKFZp686H12131
Gene ID	6843
mRNA Refseq	NM_014231
Protein Refseq	NP_055046
MIM	185880

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