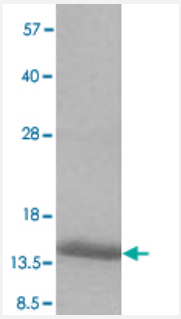
VAMP1 (Human) Recombinant Protein

Catalog # P3522 Size 100 ug

Applications



Specification

Product Description	Human VAMP1 (NP_055046, 1 a.a. - 91 a.a.) partial recombinant protein with His tag expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMSAPAQPPAEGTEGTAPGGGPPGPPPNMTSNRRLQQTQAQVE EVVDIIRVNVDKVLERDQKLSELDDRADALQAGASQFESSAAKLKRKYW
Host	Escherichia coli
Theoretical MW (kDa)	11.9
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purification	Conventional Chromatography
Concentration	1 mg/mL
Purity	> 95% by SDS-PAGE
Quality Control Testing	Loading 3 ug protein in 15% SDS-PAGE
Storage Buffer	In PBS, 1 mM EDTA, pH 7.4.

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Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — VAMP1

Entrez GeneID	6843
Protein Accession#	NP_055046
Gene Name	VAMP1
Gene Alias	DKFZp686H12131, SYB1, VAMP-1
Gene Description	vesicle-associated membrane protein 1 (synaptobrevin 1)
Omim ID	185880
Gene Ontology	Hyperlink
Gene Summary	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 vesicl es with the presynaptic membrane. VAMP1 is a member of the vesicle-associated membrane pr otein (VAMP)/synaptobrevin family. Multiple alternative splice variants that encode proteins with al ternative carboxy ends have been described, but the full-length nature of some variants has not be en defined. [provided by RefSeq
Other Designations	synaptobrevin 1|vesicle-associated membrane protein 1

Pathway

- SNARE interactions in vesicular transport

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