

VAMP2 recombinant protein

VAMP2, 1-94aa, Human, His-tag, E Coli

CATALOG # AAA48966	HOST E.coli	APPLICATIONS SDS-Page
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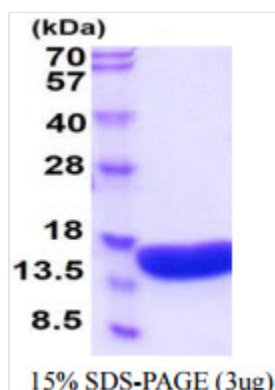
PRODUCT SYNONYMS

VAMP2; 1-94aa; Human; His-tag; E Coli; Vesicle-associated membrane protein 2 isoform 1; VAMP-2; SYB2; VAMP2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in phosphate buffered saline (pH 7.4) containing 10% glycerol, 0.1mM PMSF
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSATAA TAPPAAPAGE GGPPAPPPNL TSNRRLQQTQ AQVDEVVDIM RVNVDKVLER DQKLSELDLR ADALQAGASQ FETSAAKLKR KYWWKNLK
Sequence Length	116
Applicable Applications for VAMP2 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Domain	1-94aa
Preparation and Storage	For long term storage, aliquot and store at -20 degree C or -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for VAMP2 recombinant protein	VAMP2, also known as vehicle-associated membrane protein 2 isoform 1, which is an integral membrane protein localized to the cytoplasmic surface of synaptic vesicle, consists of a proline-rich N-terminal region, a highly conserved hydrophilic domain, followed by a transmembrane anchor and a C-terminal. VAMP2 is predominantly expressed in Langerhans islets and glomerular cells. The N-terminal domain of the protein forms a specific SNARE complex with the target membrane-associated t- or Q-SNAREs syntaxin 1 and SNAP-25. Recombinant human VAMP2 protein, fused to His-tag at N-terminus, was expressed in E.coli and using conventional chromatography.
Product Categories/Family for VAMP2 recombinant protein	Neuroscience; Transportation
References	Lin RC., et al. (1997) Neuron. 19 (5):1087-94.; Hanson PI., et al. (1997) Cell. 90 (3):523-35.; Scales SJ., et al. (2002) J Biol Chem. 277 (31):28271-9.; Windoffer R., et al. (1999) Cell Tissue Res. 296 (3):499-510.

NCBI AND UNIPROT INFORMATION

NCBI GI #	172072620
NCBI GeneID	6844
NCBI Accession #	NP_055047.2
NCBI GenBank Nucleotide #	NM_014232.2
UniProt Accession #	P63027; P19065; Q9BUC2
Molecular Weight	12.8 kDa (118aa), confirmed by MALDI-TOF
NCBI Official Full Name	vesicle-associated membrane protein 2 isoform 1
NCBI Official Synonym Full Names	vesicle associated membrane protein 2
NCBI Official Symbol	VAMP2
NCBI Official Synonym Symbols	SYB2; VAMP-2
NCBI Protein Information	vesicle-associated membrane protein 2
UniProt Protein Name	Vesicle-associated membrane protein 2
UniProt Gene Name	VAMP2
UniProt Synonym Gene Names	SYB2; VAMP-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.