

Synaptobrevin 2 Recombinant Protein | VAMP2 recombinant protein

Synaptobrevin 2,1-89aa, Human, His tag, E Coli

CATALOG # AAA11736	HOST E Coli	APPLICATIONS SDS-Page
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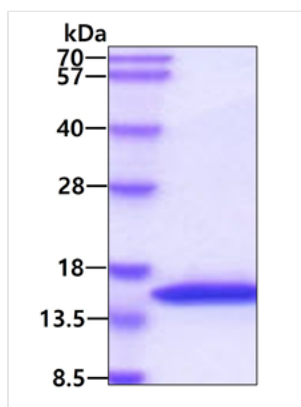
PRODUCT SYNONYMS

Synaptobrevin 2; 1-89aa; Human; His tag; E Coli; vesicle-associated membrane protein 2; VAMP2; SYB2; VAMP-2; Synaptobrevin-2; Vesicle-associated membrane protein 2; vesicle-associated membrane protein 2 FLJ11460; RATVAMPB; RATVAMPIR; SYB; VAMP 2; Vesicle associated membrane protein 2; Vesicle-associated membrane protein 2 (synaptobrevin 2).; VAMP2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4), 1mM EDTA
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSA TAATAPPAAP AGEGGPPAPP PNLTSNRRRLQ QTQAQVDEVV DIMRVNVDKV LERDQKLSEL DDRADALQAG ASQFETSAK LKRKYW
Sequence Length	116
Applicable Applications for VAMP2 recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	1-89aa
Preparation and Storage	Can be stored at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

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

ADDITIONAL INFORMATION

Related Product Information for VAMP2 recombinant protein	Synaptobrevin 2 (Vehicle-associated membrane, VAMP2), which is an 18 kDa 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. Synaptobrevin 2 is predominantly expressed in Langerhans islets and glomerular cells. The N-terminal domain of the protein (residues 1-89) forms a specific SNARE complex with the target membrane-associated t- or Q-SNAREs syntaxin 1 and SNAP-25.
Product Categories/Family for VAMP2 recombinant protein	Neuroscience
References	Lin RC. and Scheller RH. (1997) Neuron. 19:1087-1094.; Hanson PI. et al (1997) Cell 90:523-535.; Scales SJ., et al. (2002) J Biol Chem. 277 (31):28271-9.; Windoffer R et al. (1999) Cell Tissue Res 296:499-510;

NCBI AND UNIPROT INFORMATION

NCBI GI #	172072620
NCBI GeneID	6844
NCBI Accession #	NP_055047
NCBI GenBank Nucleotide #	NM_014232.2
UniProt Accession #	P63027; P19065; Q9BUC2
Molecular Weight	13.8 kDa (126 aa)
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.