

Recombinant Human VAMP2 Protein, His Tagged

Cat. No. VAMP2-216H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VAMP2 protein (1-89 aa) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-89 aa
Description	The protein encoded by this gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. 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. This gene is thought to participate in neurotransmitter release at a step between docking and fusion. The protein forms a stable complex with syntaxin, synaptosomal-associated protein, 25 kD, and synaptotagmin. It also forms a distinct complex with synaptophysin. It is a likely candidate gene for familial infantile myasthenia (FIMG) because of its map location and because it encodes a synaptic vesicle protein of the type that has been implicated in the pathogenesis of FIMG.
Molecular Mass	14 kDa
AA Sequence	MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMSATAATAPPAAPAG EGGPPAPPPNLTSNRRLQQTQAQVDEVVDIMRVNVDKVLERDQKLSELDADRADAL QAGASQFETSAAKLKRKYW

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Endotoxin	< 1 EU/μg by LAL.
Purity	> 90 % by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Sterile PBS, pH7.4
Concentration	1 mg/mL by BCA

GENE INFORMATION

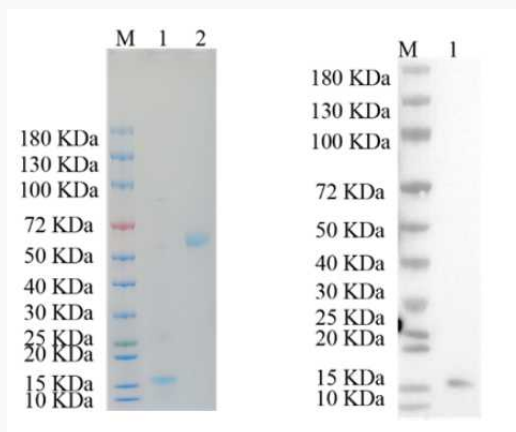
Gene Name	VAMP2 vesicle associated membrane protein 2 [Homo sapiens (human)]
Official Symbol	VAMP2
Synonyms	VAMP2; vesicle-associated membrane protein 2 (synaptobrevin 2); SYB2; vesicle-associated membrane protein 2; VAMP 2; synaptobrevin 2; synaptobrevin-2; vesicle associated membrane protein 2; VAMP-2; FLJ11460;
Gene ID	6844
mRNA Refseq	NM_014232
Protein Refseq	NP_055047
MIM	185881
UniProt ID	P63027

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**Reducing 4 %-20 %
SDS-PAGE (CBB
stained) and WB
(Anti-His Mouse
Monoclonal
antibody) analysis
profiles of purified
VAMP2.**



1. VAMP2
2. BSA

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