

Recombinant Human VAMP2 Protein, His Tagged

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

SPECIFICATION

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|-------------------------|---|
| 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 | <p>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.</p> |
| Molecular Mass | 14 kDa |
| AA Sequence | <p>MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMSATAATAPPAAPAG EGGPPAPPPNLTSNRRLQQTQAQVDEVVDIMRVNVDKVLERDQKLSELDDRADAL QAGASQFETSAAKLKRKYW</p> |

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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

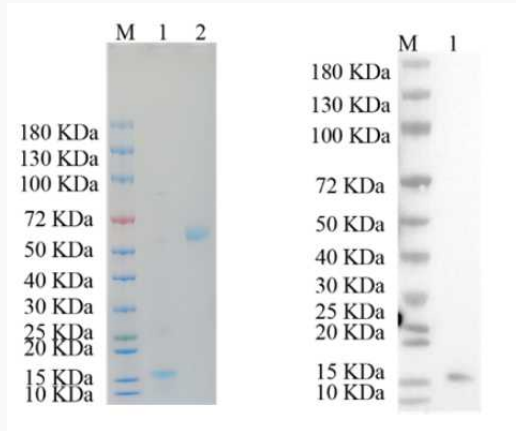
| | |
|------------------------|---|
| Gene Name | VAMP2 vesicle associated membrane protein 2 [Homo sapiens (human)] |
| Official Symbol | VAMP2 |
| Synonyms | VAMP2; vesicle-associated membrane protein 2 (synaptobrevin 2); SYB2; vesicle-associated membrane protein 2; VAMP 2; synaptobrevin 2; synaptobrevin-2; 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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