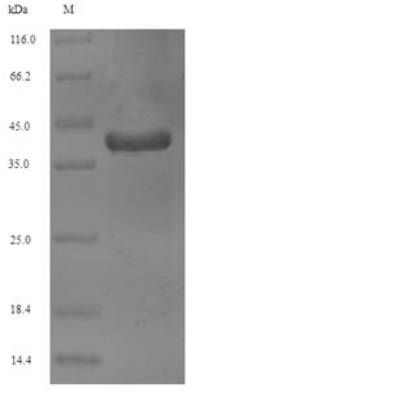
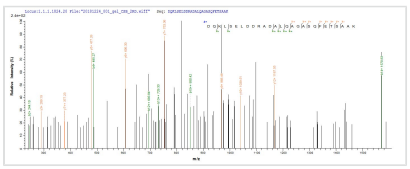
Recombinant Human Vesicle-associated membrane protein 2 (VAMP2)

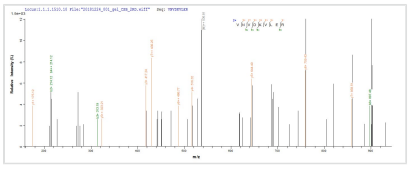
Product Code	CSB-EP025781HU
Relevance	Involved in the targeting and/or fusion of transport vesicles to their target membrane. Modulates the gating characteristics of the delayed rectifier voltage-dependent potassium channel KCNB1.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P63027
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MSATAATAPPAAPAGEGGPPAPPPNLTSNRRLQQTQAQVDEVVDIMRVNVDK VLERDQKLSELDDRADALQAGASQFETSAAKLKRKYWWKNLKMMIILGVICAII LIIIIVYFST
Research Area	Cancer
Source	E.coli
Target Names	VAMP2
Expression Region	1-116aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	40.1 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP025781HU could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) VAMP2.



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Description

The N-terminal GST-tagged recombinant vesicle-associated membrane protein 2 (VAMP2) is produced by expressing the target gene fragment in E.coli and fusing the GST tag to the N-terminus of the resulting protein. The target gene sequence corresponds to the intact amino acids of the human VAMP2. Its purity is greater than 90% determined by SDS-PAGE. On the gel, this recombinant VAMP2 protein migrated to the molecular weight band of approximately 40 kDa. It has also been validated its component by the LC-MS/MS analysis. The target protein VAMP2 is involved in several biological processes, including the targeting or fusion of transport vesicles to their target membrane and the insulin-regulated trafficking of GLUT4 in adipocytes.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.
Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.