

Datasheet for ABIN7556193

Synaptotagmin V Protein (SYT5) (AA 1-386) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Synaptotagmin V (SYT5)
Protein Characteristics:	AA 1-386
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Synaptotagmin V protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Syt5 Protein expressed in mammalian cells.
Sequence:	MFPEPPTLGS PAKTTPDSS RIRQGAVPAW VLATIVLGSG LLVFSSCFCL YRKRCRRRMG KKSQAQAQVH LQEVKELGRS YIDKVQPEIE ELDRSPSMPG QQVSDKHQLG RLQYSLDYDF QTGQLLVGIL QAQGLAALDL GGSSDPYVSV YLLPDKRRRH ETKVHRQTLN PHFGETFAFK VPYVELGGRV LVMAVYDFDR FSRNDAIGEV RVPMSSVNLG RPVQAWRELQ VAPKEEQEKL GDICFSLRYV PTAGKLTIV LEAKNLKMD VGGLSDPYVK VHLLQGKKV RKKKTTIKKN TLNPYYNEAF SFEVPCDQVQ KVQVELTVLD YDKLGKNEAI GRVAVGAAVG GAGLRHWADM LANPRRPIAQ WHSLRPPDRA RPIPAP Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	Synaptotagmin V (SYT5)
Alternative Name:	Syt5 (SYT5 Products)
Background:	Synaptotagmin-5 (Synaptotagmin IX) (Synaptotagmin V) (SytV),FUNCTION: May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. Regulates the Ca(2+)-dependent secretion of norepinephrine in PC12 cells. Required for export from the endocytic recycling compartment to the cell surface. {ECO:0000269 PubMed:11751925}.
Molecular Weight:	43.1 kDa
UniProt:	Q9R0N5
Pathways:	Synaptic Vesicle Exocytosis

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months