

[Go to Product page](#)

Datasheet for ABIN7544064

Synaptotagmin V Protein (SYT5) (AA 1-386) (His tag)

Overview

Quantity:	1 mg
Target:	Synaptotagmin V (SYT5)
Protein Characteristics:	AA 1-386
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Synaptotagmin V protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat SYT5 Protein expressed in mammalien cells.
Sequence:	MFPEPPTPGP PSPDTPPDSS RISHGVPVPPW ALATIVLVSG LLIFSCCFCL YRKSCRRTG KKSQAQAQVH LQEVKGLGQS YIDKVQPEVE ELEPAPSGPG QQVADKHELG RLQYSLDYDF QSGQLLVGIL QAMGLAALDL GGSSDPYVRV YLLPDKRRRY ETKVHRQTLN PHFGETFAFK VPYVELGGRV LVMAVYDFDR FSRNDAIGEV RVPMSVDLG RVPQAWRELQ AAPREEQEKL GDICFSLRYV PTAGKLTIV LEAKNLKKMD VGGLSDPYVK VHLLQGKKV RKKKTTIKKN TLNPYYNEAF SFEVPCDQVQ KVQVELTVLD YDKLGKNEAI GRVAVGAAAG GAGLRHWADM LANPRRPIAQ WHSLRPPDRV RLLPAP 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.
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, Western Blot
---------	---

Grade:	custom-made
--------	-------------

Target Details

Target:	Synaptotagmin V (SYT5)
---------	------------------------

Alternative Name:	SYT5 (SYT5 Products)
-------------------	--

Background:	Synaptotagmin-5 (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 (By similarity). {ECO:0000250}.
-------------	--

Molecular Weight:	42.9 kDa
-------------------	----------

UniProt:	O00445
----------	------------------------

Pathways:	Synaptic Vesicle Exocytosis
-----------	---

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
--------------------	--

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