

Datasheet for ABIN7555688

Synaptotagmin 3 Protein (AA 1-590) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Synaptotagmin 3 (SYT3)
Protein Characteristics:	AA 1-590
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Synaptotagmin 3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat SYT3 Protein expressed in mammalien cells.
Sequence:	MSGDYEDDLC RRALILVSDL CARVRDADTN DRCQEFNDRI RGYPRGPDAD ISVLLSVIV TFCGIVLLGV SLFVSWKLCW VPWRDKGGSA VGGGPLRKDL GPGVGLAGLV GGGGHHLAAG LGGHPLLGGP HHHAAHAHP PFAELLEPGS LGGSDTPEPS YLDMDSYPEA AAAAVAAGVK PSQTSPELPS EGGAGSGLLL LPPSGGGLPS AQSHQQVTSL APTRYPALP RPLTQQTLTS QPDPSSERP PALPLPLPGG EEKAKLIGQI KPELYQGTGP GGRRSGGGPG SGEAGTGAPC GRISFALRYL YGSDQLVRI LQALDLPKD SNGFSDPYVK IYLLPDRKKK FQTKVHRKTL NPVFNETFQF SVPLAELAQR KLHFSVYDFD RFSRHDLIQ VVLDNLELA EQPPDRPLWR DIVEGGSEKA DLGELNFSLC YLPTAGRLTV TIIKASNLKA MDLTGFSDPY VKASLISEGR RLKKRKTNIK KNTLNPTYNE ALVFDVAPES VENVGLSIAV VDYDCIGHNE VIGVCRVGPD AADPHGREHW AEMLANPRKP VEHWHLVVEE KTVTSFTKGS KGLSEKENSE 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:

- 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 3 (SYT3)

Alternative Name: SYT3 ([SYT3 Products](#))

Background: Synaptotagmin-3 (Synaptotagmin III) (SytlIII),FUNCTION: Ca(2+) sensor involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain. Ca(2+) induces binding of the C2-domains to phospholipid membranes and to assembled SNARE-complexes, both actions contribute to triggering exocytosis (By similarity). Plays a role in dendrite formation by melanocytes (PubMed:23999003). {ECO:0000250|UniProtKB:P40748, ECO:0000269|PubMed:23999003}.

Molecular Weight: 63.3 kDa

UniProt: [Q9BQG1](#)

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.

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
