

Datasheet for ABIN7563215
SYT4 Protein (AA 1-425) (His tag)



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Overview

Quantity:	1 mg
Target:	SYT4
Protein Characteristics:	AA 1-425
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SYT4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Syt4 Protein expressed in mammalien cells.
Sequence:	<p>MAPITTSRVE FDEIPTVVGI FSAFGLVFTV SLFAWICCQR RSAKSNKTPP YKFBVHVLKGV DIYPENLSSK KKFGGDDKSE VKGKAALPNL SLHLDLEKRD LNGNFPKANP KAGSSSDLEN VTPKLFTE TE KEANSPE SLK SSTS LTSEEK QEKLGT LFLS LEYNFEKKAF VVNIKEAQGL PAMDEQSM TS DPYIKMTILP EKKHRVKTRV LRKTLDPVFD ETFTFYGIPY PHIQELSLHF TVLSFDRFSR DDVIGEV LIP LSGIELSDGK MLMTREIIKR NAKKSSGRGE LLVSLCYQST TNTLTVVVLK ARHLPKSDVS GLSDPYVKVN LYHAKKRISK KKTHVKKCTP NAVFNELFVF DIPCESLEEI SVEFLVLDSE RGSRNEVIGR LVLGATAEGS GGGHWKEICD FPRRQIAKWH MLCDG</p> <p>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.</p>
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: SYT4

Alternative Name: Syt4 ([SYT4 Products](#))

Background: Synaptotagmin-4 (Synaptotagmin IV) (SytIV),FUNCTION: Synaptotagmin family member which does not bind Ca(2+). Plays a role in dendrite formation by melanocytes (By similarity). {ECO:0000250|UniProtKB:P50232, ECO:0000250|UniProtKB:Q9H2B2}, FUNCTION: Synaptotagmin family member which does not bind Ca(2+) (By similarity). Involved in neuronal dense core vesicles (DCVs) mobility through its interaction with KIF1A. Upon increased neuronal activity, phosphorylation by MAPK8/JNK1 destabilizes the interaction with KIF1A and captures DCVs to synapses (PubMed:29166604). Plays a role in dendrite formation by melanocytes (By similarity). {ECO:0000250|UniProtKB:P50232, ECO:0000250|UniProtKB:Q9H2B2, ECO:0000269|PubMed:29166604}.

Molecular Weight: 47.7 kDa

UniProt: [P40749](#)

Pathways: [Synaptic Membrane](#), [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
