

Datasheet for ABIN7556191
SYT11 Protein (AA 1-430) (His tag)



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Overview

Quantity:	1 mg
Target:	SYT11
Protein Characteristics:	AA 1-430
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SYT11 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Syt11 Protein expressed in mammalian cells.
Sequence:	<p>MAEITNIRPS FDVSPVAAGL IGASVLVVCV SVTVFVWTCC HQQAEKKHKT PPYKFIHMLK GISIYPETLS NKKKIIKVRD DKDGPRRESG RGNLLINAES GLLSHDKDPR GPSPASCMDQ LPIKRDYGEE LRSPMTSLTP GESKATSPSS PEEDVMLGSL TFSVDYNFPK KALVVTIQEA HGLPVMDDQT QGSDPYIKMT ILPDKRHRVK TRVLRKTLDP VFDETFTFYG IPYSQLQDLV LHFLVLSFDR FSRDDVIGEV MVPLAGVDPS TGKVQLTRDI IKRNIQKCIS RGELQVLSY QPVAQRMTVV VLKARHLPKM DITGLSGNPY VKVNVVYGRK RIAKKKTHVK KCTLNPVFNE SFIYDIPTDL LPDISIEFLV IDFDRTTKNE VVGRLLILGAH SVTTSGAEHW REVCESPRKP IAKWHSLSEY 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>
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.

Product Details

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

SYT11

Alternative Name:

Syt11 ([SYT11 Products](#))

Background:

Synaptotagmin-11 (Synaptotagmin XI) (SytXI),FUNCTION: Synaptotagmin family member involved in vesicular and membrane trafficking which does not bind Ca(2+) (Probable). Inhibits clathrin-mediated and bulk endocytosis, functions to ensure precision in vesicle retrieval (PubMed:29311685). Plays an important role in dopamine transmission by regulating endocytosis and the vesicle-recycling process (PubMed:29311685). Essential component of a neuronal vesicular trafficking pathway that differs from the synaptic vesicle trafficking pathway but is crucial for development and synaptic plasticity (PubMed:30808661). In macrophages and microglia, inhibits the conventional cytokine secretion, of at least IL6 and TNF, and phagocytosis (PubMed:28686317, PubMed:23303671). In astrocytes, regulates lysosome exocytosis, mechanism required for the repair of injured astrocyte cell membrane (PubMed:26450452). Required for the ATP13A2-mediated regulation of the autophagy-lysosome pathway (PubMed:27278822). {ECO:0000269|PubMed:23303671, ECO:0000269|PubMed:26450452, ECO:0000269|PubMed:27278822,

Target Details

ECO:0000269|PubMed:28686317, ECO:0000269|PubMed:29311685,
ECO:0000269|PubMed:30808661, ECO:0000305}.

Molecular Weight: 48.3 kDa

UniProt: [Q9R0N3](#)

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.

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