

Datasheet for ABIN7556192
SYT10 Protein (AA 1-523) (His tag)



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Overview

Quantity:	1 mg
Target:	SYT10
Protein Characteristics:	AA 1-523
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SYT10 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Syt10 Protein expressed in mammalian cells.
Sequence:	<p>MSFRKEDGVS SLCQKALHII TELCFAGQVE WDKCSGIFPA DRSGQGGGGT DISVSL LAVV VSFCGLALLV VSLFVFWKLC WPCWWSKSLVA PNLSVLPQSI SSAPTEVFET EEKKEVEENE KPAPKAI EPA IKISHTSPDI PAEVQTALKE HLIKHARVQR QTTEPTSSSR HNSFRRHLPR QMNVSVDVFS VGTEPILQRG ETRTSIGRIK PELYKQKSVD SEGNRKDDVK TCGKLN FALQ YDYENELLVV KIIKALDLPA KDFTGTSDPY VKIYLLPDRK KKFQTRVHRK TLNPLFDEL F QFPVVYDQLS NRKLHFSIYD FDRFSRHDMI GEVILDNLFE VSDLSREATV WKDIHCATTE SIDLGEIMFS LCYLPTAGRM TLTVIKCRNL KAMDITGSSD PYVKVSLMCE GRRLKRRKTT TKKNTLNPVY NEAIFDIPP ENVDQVSLCI AVMDYDRVGH NEVIGVCRTG LDAEGLGRDH WNEMLAYHRK PITHWHPLLE LPGRATSFD S QGSCSSPRPP STP 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>

Product Details

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:**

- 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: SYT10

Alternative Name: [Syt10 \(SYT10 Products\)](#)

Background: Synaptotagmin-10 (Synaptotagmin X) (SytX),FUNCTION: Ca(2+) sensor specifically required for the Ca(2+)-dependent exocytosis of secretory vesicles containing IGF1 in neurons of the olfactory bulb (PubMed:21496647). Exocytosis of IGF1 is required for sensory perception of smell (PubMed:21496647). Not involved in Ca(2+)-dependent synaptic vesicle exocytosis (PubMed:21496647). Acts 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). {ECO:0000250|UniProtKB:O08625, ECO:0000269|PubMed:21496647}.

Molecular Weight: 59.0 kDa

UniProt: [Q9R0N4](#)

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
