

Datasheet for ABIN7562692
SYN1 Protein (AA 1-706) (His tag)



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Overview

Quantity:	1 mg
Target:	SYN1
Protein Characteristics:	AA 1-706
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SYN1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Syn1 Protein expressed in mammalian cells.
Sequence:	<p>MNYLRRRLSD SNFMANLPNG YMTDLQRPQP PPPPPSAASP GATPGSATAS AERASTAAPV ASPAAPSPGS SGGGGFFSSL SNAVKQTAA AAATFSEQVG GSGGAGRGG AAARVLLVID EPHTDWAKYF KGKKIHGEID IKVEQAEFSD LNLVAHANGG FSVDMEVLRN GVKVVRSLKP DFVLIRQHAF SMARNGDYRS LVIGLQYAGI PSVNSLHSVY NFCDKPWFVA QMVRLHKKLG TEEFPLIDQT FYPNHKEMLS STTYPVVVKM GHAHSGMGKV KVDNQHDFQD IASVVALTKT YATAEPFIDA KYDVRVQKIG QNYKAYMRTS VSGNWKNTG SAMLEQIAMS DRYKLWVDTC SEIFGGLDIC AVEALHGKDG RDHIIEVVGS SMPLIGDHQD EDKQLLEVELV VNKMTQALPR QPQRDASPGR GSHSQSSSPG ALTLGRQTSQ QPAGPPAQQR PPPQGGPPQP GPGPQRQGPP LQQRPPPQGG QHLSGLGPPA GSPLPQLRPS PTAAPQQSAS QATPVTQGQG RQSRPVAGGP GAPPAARPPA SPSPQRQAGA PQATRQASIS GPAPTKASGA PPGGQQRQGP PQKPPGPAGP TRQASQAGPG PRTGPPTTQQ PRPSGPGPAG RPAKPQLAQK PSQDVPPPIT AAAGGPPHPQ LNKSQSLTNA FNLPEPAPPR PSLSQDEVKA ETIRSLRKSF ASLFSF Sequence without tag. The</p>

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.

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: SYN1

Alternative Name: Syn1 ([SYN1 Products](#))

Background: Synapsin-1 (Synapsin I),FUNCTION: Neuronal phosphoprotein that coats synaptic vesicles, and binds to the cytoskeleton. Acts as a regulator of synaptic vesicles trafficking, involved in the control of neurotransmitter release at the pre-synaptic terminal (By similarity). Also involved in the regulation of axon outgrowth and synaptogenesis (PubMed:7568107). The complex formed with NOS1 and CAPON proteins is necessary for specific nitric-oxide functions at a presynaptic level (By similarity). {ECO:0000250|UniProtKB:P09951, ECO:0000269|PubMed:7568107}.

Molecular Weight: 74.1 kDa

Target Details

UniProt: [O88935](#)

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