

Product datasheet

Recombinant Human SYN4 protein (Tagged) ab239577

[1 Image](#)

Description

Product name	Recombinant Human SYN4 protein (Tagged)	
Purity	> 90 % SDS-PAGE.	
Expression system	Escherichia coli	
Accession	<u>Q9NSN8</u>	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	<p>MDFRTACEETKTGICLLQDGNQEPFKVRLHLAKDILMIQEQ DVICVSGEP FYSGERTVTIRRQTVGGFGLSIKGGAEHNIPVVVSKISKEQ RAELSGLLF IGDAILQINGINVRKCRHEEVVQVLRNAGEEVTLTVSFLKRA PAFLKLPL NEDCACAPSDQSSGTSSPLCDSGLHLNYHPNNTDTLSCS SWPTSPGLRWE KRWCDLRLIPLLHSRFSQYVPGTDLSRQNAFQVIAVDGVC TGIQCLSAE DCVDWLQAIATNISNLTKHNIKKINRNFVNQQIVYMGWCE AREQDPLQD RVYSPTFLALRGSCLYKFLAPPVTTWDWTRAEKTFVYEI MCKILKSDL LDRRKQCFVQSESGEDLYFSVELESDLAQWERAFQTAT FLEVERIQCKT YACVLESHLMGLTIDFSTGFICFDAATKAVLWRYKFSQLKG SSDDGKSKI KFLFQNPDTKQIEAKELEFSNLFVAVLHCIHSFFAAKVAACLD PLFLGNQAT ASTAASSATTSKAKYTT</p>	
Predicted molecular weight	63 kDa including tags	
Amino acids	1 to 517	
Additional sequence information	N-terminal 10xHis-tagged and C-terminal Myc-tagged.	

Specifications

Our **Abpromise guarantee** covers the use of **ab239577** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

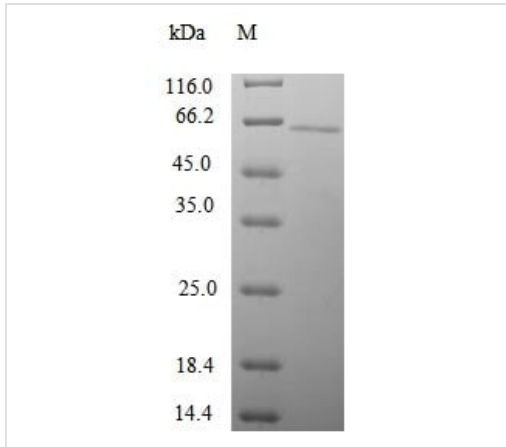
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.2 Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)
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General Info

Function	Adapter protein that binds to and probably organizes the subcellular localization of a variety of proteins. May link various receptors to the actin cytoskeleton and the dystrophin glycoprotein complex (By similarity). May participate in regulating the subcellular location of diacylglycerol kinase-zeta to ensure that diacylglycerol is rapidly inactivated following receptor activation.
Tissue specificity	Brain specific. In CNS, it is expressed in the perikaryon and proximal portion of the neuronal processes. Strong expression in the hippocampus, neuron-rich dentate granule cells, and pyramidal cell layers. Highly expressed in neurons of the cerebral cortex. Also expressed in the cerebellar cortex, deep cerebellar nuclei, thalamus, and basal ganglia. No expression in muscle cells.
Sequence similarities	Belongs to the syntrophin family. Contains 1 PDZ (DHR) domain. Contains 1 PH domain.
Domain	The PDZ domain binds to the last three or four amino acids of DGKZ. The association with dystrophin or related proteins probably leaves the PDZ domain available to recruit proteins to the membrane.
Cellular localization	Cytoplasm > cytoskeleton. Nucleus. Mainly cytoplasmic and weakly nuclear.

Images



SDS-PAGE - Recombinant Human SYN4 protein
(Tagged) (ab239577)

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel analysis of ab239577.

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