

Product datasheet

Recombinant Human SYN2 protein ab114589

[1 Image](#)

Description

Product name	Recombinant Human SYN2 protein
Expression system	Wheat germ
Accession	<u>Q92777</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	AMSDRYKLWVDTCTSEMFGGLDCAVKAVHKGDKGDYIFE VMDCSMPLIGE HQVEDRQLITELVISKMNQLLSRTPALSPQRPLTTQQPQS GTLKDPDSSK T
Predicted molecular weight	37 kDa including tags
Amino acids	348 to 448

Specifications

Our **Abpromise guarantee** covers the use of **ab114589** in the following tested applications.

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

Applications	ELISA SDS-PAGE Western blot
Form	Liquid
Additional notes	This product was previously labelled as Synapsin II.

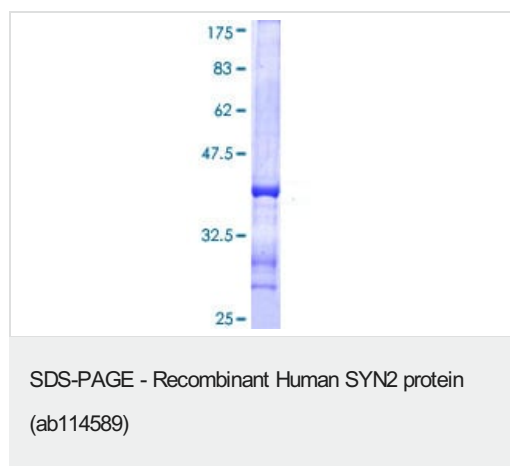
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
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General Info

Function	Neuronal phosphoprotein that coats synaptic vesicles, binds to the cytoskeleton, and is believed to function in the regulation of neurotransmitter release. May play a role in noradrenaline secretion by sympathetic neurons.
Tissue specificity	Central and peripheral nervous systems.
Sequence similarities	Belongs to the synapsin family.
Domain	The A region binds phospholipids with a preference for negatively charged species.
Post-translational modifications	Phosphorylation at Ser-10 dissociates synapsins from synaptic vesicles. Phosphorylation at Ser-425 by MAPK1/ERK2 and/or MAPK3/ERK1 may play a role in noradrenaline secretion by sympathetic neurons.
Cellular localization	Cell junction, synapse.

Images



12.5% SDS-PAGE showing ab114589 at approximately 36.74kDa stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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