

Product datasheet

Recombinant Human Synaptotagmin 4 protein
ab140585

1 Image

Description	
Product name	Recombinant Human Synaptotagmin 4 protein
Purity	> 90 % SDS-PAGE. ab140585 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>Q9H2B2</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MCQRKSSKSN KTPPYKFVHV LKGVDIYPEN LNSKKKFGAD DKNEVKNKPA VPKNSLHLDL EKRDNLGNFP KTNLKPGSPS DLENATPKLF LEGEKESVSP ESLKSSTSLT SEEKQEKLGT LFFSLEYNFE RKAFVVNIKE ARGLPAMDEQ SMTSDPYKM TILPEKKHKV KTRVLRKTLD PAFDETFTFY GIPYTQIQEL ALHFTILSFD RFSRDDIIGE VLIPLSGIEL SEGKMLMNRE IIKRNVKSS GRGELLISLC YQSTTNLT TV VVLKARHLPK SDVSGLSDPY VKVNLYHAKK RISKKKTHVK KCTPNAVFNE LFVFDIPCEG LEDISVEFLV LDSERGSRNE VIGQLVLGAA AEGTGGEHWK EICDYPRRQI AKWHVLCDG
Predicted molecular weight	46 kDa including tags
Amino acids	38 to 425
Tags	His tag N-Terminus

Specifications	
Our Abpromise guarantee covers the use of ab140585 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

	Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

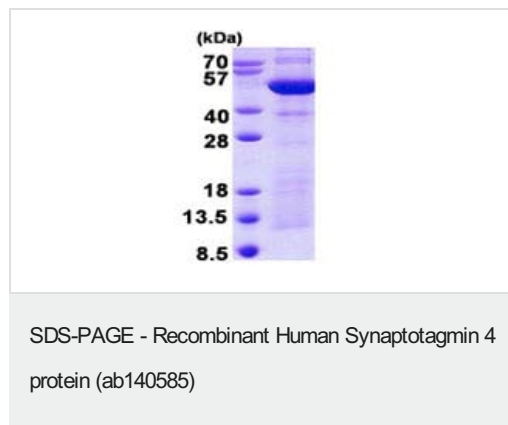
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.02% DTT, 0.32% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride
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General Info

Relevance	Synaptotagmin 4 (SYT4) belongs to the synaptotagmin family of multi-domained, integral membrane proteins of synaptic vesicles. It may be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. It is primarily expressed in the brain.
Cellular localization	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Multi-pass membrane protein.

Images



15% SDS-PAGE analysis of ab140585 (3µg).

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

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