

Datasheet for ABIN7560182
SYT12 Protein (AA 1-421) (His tag)



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Overview

Quantity:	1 mg
Target:	SYT12
Protein Characteristics:	AA 1-421
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SYT12 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Syt12 Protein expressed in mammalien cells.
Sequence:	<p>MAVDVTEYHL SVIKSPPGWE VGVYAAGALA LLGIAAVSLW KLWTSGSFPS PSPFPNYDYR YLQQKYGEAY VEAKLKRVP WNDQRTTTRG PPSRKGSLSI EDTFESISL GPLELMGREL DLAPYGTLRK SQSADSLNSI SSVSNTFGQD FTLGQVEVSM DYDGASHTLH VAVLQGKDLL EREEATFESC FMRVSLLPDE QIVGISRIQR NAYSIFFDEK FSVPLDPTAL EEKSLRFSVF GIDEDERNVS TGVVELKLSV LDLPLQPFSG WLYLQDQNK A DAVGEILLS LSYLPTAERL TVVVVKAKNL IWTNEKSTAD PFVKVYLLQD GRKMSKKKTA VKRDDPNPVF NEAMIFSVPA IVLQDLSLRV TVAESSSDGR GDNVGHVIIG PGVSGMGTTT WNQMLATLRR PVSMWHPVRR N</p> <p>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>
Characteristics:	Key Benefits:

Product Details

- 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, Western Blot
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Grade:	custom-made
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Target Details

Target:	SYT12
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Alternative Name:	Syt12 (SYT12 Products)
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Background:	Synaptotagmin-12 (Synaptotagmin XII) (SytXII),FUNCTION: Synaptic vesicle phosphoprotein that enhances spontaneous neurotransmitter release but does not effect induced neurotransmitter release (By similarity). Unlike other synaptotagmins, it does not bind Ca(2+) or phospholipids (By similarity). Essential for mossy-fiber long-term potentiation in the hippocampus (PubMed:23739973). {ECO:0000250 UniProtKB:P97610, ECO:0000269 PubMed:23739973}.
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Molecular Weight:	46.7 kDa
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UniProt:	Q920N7
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Application Details

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