

Datasheet for ABIN7564094
SNX6 Protein (AA 1-406) (His tag)



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Overview

Quantity:	1 mg
Target:	SNX6
Protein Characteristics:	AA 1-406
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SNX6 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Snx6 Protein expressed in mammalien cells.
Sequence:	<p>MMEGLDDGPD FLSEEDRGLK AINVDLQSDA ALQVDISDAL SERDRVKFTV HTKSSLPNFK</p> <p>QNEFSVVRQH EEFIWLHDSF VENEDYAGYI IPPAPPRPDF DASREKLQKL GEGEGSMTKE</p> <p>EFTKMKQELE AEYLAIFKKT VAMHEVFLCR VAAHPILRKD LNFHVFLEYN QDLSVRGKNK</p> <p>KEKLEDFFKN MVKSADGVIV SGVKDVDDFF EHERTFLLEY HNRVKDASAK SDRMTRSHKS</p> <p>AADDYNRIGS SLYALGTQDS TDICKFFLKV SELFDKTRKI EARVSAEDL KLSDLLKYYL</p> <p>RESQAAKDLL YRRSRSLVDY ENANKALDKA RAKNKDVLQA ETSQQLCCQK FEKISESAKQ</p> <p>ELIDFKTRRV AAFRKNLVEL AELELKHAKG NLQLLQNCLA VLNGDT 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:	SNX6
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Alternative Name:	Snx6 (SNX6 Products)
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Background:	Sorting nexin-6 [Cleaved into: Sorting nexin-6, N-terminally processed],FUNCTION: Involved in several stages of intracellular trafficking. Interacts with membranes phosphatidylinositol 3,4-bisphosphate and/or phosphatidylinositol 4,5-bisphosphate (Probable). Acts in part as component of the retromer membrane-deforming SNX-BAR subcomplex. The SNX-BAR retromer mediates retrograde transport of cargo proteins from endosomes to the trans-Golgi network (TGN) and is involved in endosome-to-plasma membrane transport for cargo protein recycling. The SNX-BAR subcomplex functions to deform the donor membrane into a tubular profile called endosome-to-TGN transport carrier (ETC). Does not have in vitro vesicle-to-membrane remodeling activity (By similarity). Involved in retrograde endosome-to-TGN transport of lysosomal enzyme receptor IGF2R. May function as link between transport vesicles and dynactin. Negatively regulates retrograde transport of BACE1 from the cell surface to the trans-Golgi network. Involved in E-cadherin sorting and degradation, inhibits PIP5K1C-mediated E-cadherin degradation (By similarity). In association with GIT1 involved in EGFR degradation (PubMed:18523162). Promotes lysosomal degradation of CDKN1B (PubMed:20228253). May
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Target Details

	contribute to transcription regulation (By similarity). {ECO:0000250 UniProtKB:Q9UNH7, ECO:0000269 PubMed:18523162, ECO:0000269 PubMed:20228253}.
Molecular Weight:	46.6 kDa
UniProt:	Q6P8X1
Pathways:	EGFR Signaling Pathway

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.
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