

Datasheet for ABIN7555589  
**SNX14 Protein (AA 1-946) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SNX14
Protein Characteristics:	AA 1-946
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SNX14 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SNX14 Protein expressed in mammalian cells.
Sequence:	MVPWVRTMGQ KLKQRLRLDV GREICRQYPL FCFLLCLSA ASLLLNRYIH ILMIFWSFVA GVVTFYCSLG PDSLLPNIFF TIKYKPKQLG LQELFPQGHSA CAVCGKVKCK RHRPSLLEN YQPWLDLKIS SKVDASLSEV LELVLENFVY PWYRDVTDDE SFVDELRLTL RFFASVLIRR IHKVDIPSII TKKLLKAAMK HIEVIVKARQ KVKNTEFLQQ AALEEYGPPEL HVALRSRDE LHYLRKLTTEL LFPYILPPKA TDCRSLTLII REILSGSVFL PSLDFLADPD TVNHLLIIFI DDSPEKATE PASPLVPFLQ KFAEPRNKKP SVLKLELKQI REQDLLFRF MNFLKQEGAV HVLQFCLTVE EFNDRILRPE LSNDEMLSLH EELQKIYKTY CLDESIDKIR FDPFIVEEIQ RIAEGPYIDV VKLQTMRCLF EAYEHVLSLL ENVFTPMFCH SDEYFRQLLR GAESPTRNSK LNRGSLSLDD FRNTQKRGES FGISRIGSKI KGVFKSTTME GAMLPNYGVA EGEDDFIEEG IVVMEDDSPV EAVSTPNTPR NLAAWKISIP YVDFPEDPSS ERKEKKERIP VFCIDVERND RRAVGHEPEH WSVYRRYLEF YVLESKLTTEF HGAFPDAQLP SKRIIGPKNY EFLKSKREEF QEYLQKLLQH PELSNSQLLA DFLSPNGGET QFLDKILPDV NLGKIIKSVP GKLMKEKGQH LEFPIMNFIN

## Product Details

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SCESPKPKPS RPELTILSPT SENNKKLFND LFKNNANRAE NTERKQNQNY FMEVMTVEGV  
YDYLMYVGRV VFQVPDWLHH LLMGTRILFK NTLEMYTDYY LQCKLEQLFQ EHRLVSLITL  
LRDAIFCENT EPRSLQDKQK GAKQTFEEMM NYIPDLLVKC IGEETKYESI RLLFDGLQQP  
VLNKQLTYVL LDIVIQELFP ELNKVQKEVT SVTSWM **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.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

## Target Details

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Target: SNX14

Alternative Name: SNX14 ([SNX14 Products](#))

Background: Sorting nexin-14,FUNCTION: Plays a role in maintaining normal neuronal excitability and synaptic transmission. May be involved in several stages of intracellular trafficking (By similarity). Required for autophagosome clearance, possibly by mediating the fusion of lysosomes with autophagosomes (Probable). Binds phosphatidylinositol 3,5-bisphosphate

## Target Details

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(PtdIns(3,5)P2), a key component of late endosomes/lysosomes (PubMed:25848753). Does not bind phosphatidylinositol 3-phosphate (PtdIns(3P)) (PubMed:25848753, PubMed:25148684). {ECO:0000250|UniProtKB:Q8BHY8, ECO:0000269|PubMed:25148684, ECO:0000269|PubMed:25848753, ECO:0000305|PubMed:25848753}.

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Molecular Weight: 110.2 kDa

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UniProt: [Q9Y5W7](#)

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Pathways: [Regulation of G-Protein Coupled Receptor Protein Signaling](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months