

Datasheet for ABIN755559  
**SNX18 Protein (AA 1-628) (His tag)**



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## Overview

|                               |                                              |
|-------------------------------|----------------------------------------------|
| Quantity:                     | 1 mg                                         |
| Target:                       | SNX18                                        |
| Protein Characteristics:      | AA 1-628                                     |
| Origin:                       | Human                                        |
| Source:                       | HEK-293 Cells                                |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This SNX18 protein is labelled with His tag. |

## Product Details

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| Purpose:  | Custom-made recombinant SNX18 Protein expressed in mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Sequence: | MALRARALYD FRSENPGEIS LREHEVLSLC SEQDIEGWLE GVNSRGDRGL FPASYVQVIR<br>APEPGPAGDG GPGAPARYAN VPPGGFEPLP VAPPASFKPP PDAFQALLQP QQAPPPSTFQ<br>PPGAGFPYGG GALQPSPQQL YGGYQASQGS DDDWDDEWDD SSTVADEPGA LGSGAYPDLD<br>GSSSAGVGAA GRYRLSTRSD LSLGSRGGSV PPQHHPSPGPK SSATVSRNLN RFSTFVKSGG<br>EAFVLGEASG FVKDGDKLCV VLGPGPEWQ ENPYPFQCTI DDPTKQTKFK GMKSYISYKL<br>VPTHTQVPVH RRYKHFDWLY ARLAEKFPVI SVPHLPEKQA TGRFEEDFIS KRRKGLIWWW<br>NHMASHPVLA QCDVFQHFLT CPSSTDEKAW KQGKRKAEKD EMVGANFFLT LSTPPAAALD<br>LQEVESKIDG FKCFTKKMDD SALQLNHTAN EFARKQVTGF KKEYQKVGQS FRGLSQAFEL<br>DQQAFSVGLN QAIAFTGDAY DAIGELFAEQ PRQDLDPVMD LLALYQGH LA NFPDIIHVQK<br>GKAWPLEQVI WSVLCRLKGA TLTA VPLWVS ESYSTGEEAS RDVDAWV FSL ECKLDCSTGS<br>FLLEYLALGN EYSFSKVQRV PLMTVLSF <b>Sequence without tag. The proposed Purification-<br/>Tag is based on experiences with the expression system, a different complexity of the</b> |

## Product Details

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**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: SNX18

Alternative Name: SNX18 ([SNX18 Products](#))

Background: Sorting nexin-18 (SH3 and PX domain-containing protein 3B),FUNCTION: Involved in endocytosis and intracellular vesicle trafficking, both during interphase and at the end of mitosis (PubMed:20427313, PubMed:18411244, PubMed:21048941, PubMed:22718350). Required for efficient progress through mitosis and cytokinesis (PubMed:22718350). Required for normal formation of the cleavage furrow at the end of mitosis (PubMed:22718350). Plays a role in endocytosis via clathrin-coated pits, but also clathrin-independent, actin-dependent fluid-phase endocytosis (PubMed:20427313). Plays a role in macropinocytosis (PubMed:21048941). Binds to membranes enriched in phosphatidylinositol 4,5-bisphosphate and promotes membrane tubulation (PubMed:18411244). Stimulates the GTPase activity of DNM2

## Target Details

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(PubMed:20427313). Promotes DNM2 location at the plasma membrane (PubMed:20427313). Together with DNM2, involved in autophagosome assembly by regulating trafficking from recycling endosomes of phospholipid scramblase ATG9A (PubMed:29437695). {ECO:0000269|PubMed:18411244, ECO:0000269|PubMed:20427313, ECO:0000269|PubMed:21048941, ECO:0000269|PubMed:22718350, ECO:0000269|PubMed:29437695}.

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Molecular Weight: 68.9 kDa

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UniProt: [Q96RF0](#)

## 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