

Datasheet for ABIN755511
SNX9 Protein (AA 1-595) (His tag)



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Overview

Quantity:	1 mg
Target:	SNX9
Protein Characteristics:	AA 1-595
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SNX9 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat SNX9 Protein expressed in mammalian cells.
Sequence:	<p>MATKARVMYD FAAEPGNNEL TVNEGEIITI TNPDVGGGWL EGRNIKGERG LVPTDYVEIL PSDGKDQFSC GNSVADQAFD DSLSASTAQA SSSAASNNHQ VGSGNDPWSA WSASKSGNWE SSEGWGAQPE GAGAQRNTNT PNNWDTAFGH PQAYQGPATG DDDDWDDEDWD GPKSSSYFKD SESADAGGAQ RGNSRASSSS MKIPLNKFPF FAKPGTEQYL LAKQLAKPKE KIPPIVGDYG PMWVYPTSTF DCVVADPRKG SKMYGLKSYI EYQLTPTNTN RSVNHRYKHF DWLYERLLVK FGSAIPIPSL PDKQVTGRFE EEFIKMRMER LQAWMTRMCR HPVISESEVF QQFLNFRDEK EWKTGKRKAE RDELAVGMIF STMEPEAPDL DLVEIEQKCE AVGKFTKAMD DGVKELLTVG QEHWKRCTGP LPKEYQKIGK ALQSLATVFS SSGYQGETDL NDAITEAGKT YEEIASLVAE QPKKDLHFLM ECNHEYKGF L GCFPDIIGTH KGAIEKVES DKLVATSKIT LQDKQNMVKR VSIMSYALQA EMNHFHSNRI YDYNVIRLY LEQQVQFYET IAEKLRQALS RFPVM Sequence without tag. The proposed Purification-Tag is based on experiences with the expression</p>

system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

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, Western Blot

Grade:

custom-made

Target Details

Target:

SNX9

Alternative Name:

SNX9 ([SNX9 Products](#))

Background:

Sorting nexin-9 (SH3 and PX domain-containing protein 1) (Protein SDP1) (SH3 and PX domain-containing protein 3A),FUNCTION: Involved in endocytosis and intracellular vesicle trafficking, both during interphase and at the end of mitosis. Required for efficient progress through mitosis and cytokinesis. Required for normal formation of the cleavage furrow at the end of mitosis. Plays a role in endocytosis via clathrin-coated pits, but also clathrin-independent, actin-dependent fluid-phase endocytosis. Plays a role in macropinocytosis. Promotes internalization of TNFR. Promotes degradation of EGFR after EGF signaling. Stimulates the GTPase activity of DNM1. Promotes DNM1 oligomerization. Promotes activation of the Arp2/3 complex by WASL, and thereby plays a role in the reorganization of the F-actin cytoskeleton. Binds to membranes enriched in phosphatidylinositol 4,5-bisphosphate and promotes membrane tubulation. Has lower affinity for membranes enriched in phosphatidylinositol 3-phosphate.

Target Details

{ECO:0000269|PubMed:11799118, ECO:0000269|PubMed:12952949, ECO:0000269|PubMed:15703209, ECO:0000269|PubMed:17609109, ECO:0000269|PubMed:17948057, ECO:0000269|PubMed:18388313, ECO:0000269|PubMed:20427313, ECO:0000269|PubMed:21048941, ECO:0000269|PubMed:22718350}.

Molecular Weight: 66.6 kDa

UniProt: [Q9Y5X1](#)

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