

Recombinant Full Length Human SNX9 Protein, C-Flag-tagged

Cat. No. SNX9-536HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SNX9 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the sorting nexin family. Members of this family contain a phosphoinositide binding domain, and are involved in intracellular trafficking. The encoded protein does not contain a coiled coil region, like some family members, but does contain a SRC homology domain near its N-terminus. The encoded protein is reported to have a variety of interaction partners, including of adaptor protein 2 , dynamin, tyrosine kinase non-receptor 2, Wiskott-Aldrich syndrome-like, and ARP3 actin-related protein 3. The encoded protein is implicated in several stages of intracellular trafficking, including endocytosis, macropinocytosis, and F-actin nucleation.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	66.4 kDa
AA Sequence	MATKARVMYDFAAEPGNNELTVNEGEIITITNPDVGGGWLEGRNIKGERGLVPTDYV EILPSDGKDQFSC GNSVADQAFLDSLSTAHASSSAASNNHQVSGNDPWSAW SASKSGNWESSEGWGAQPEGAGAQRNTNT PNNWDTAFGHPQAYQGPATGDDD DWDEDWDGPKSSSYFKDSESADAGGAQRGNSRASSSSMKIPLNKFPG FAKPGTE

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QYLLAKQLAKPKEKIPPIVGDYGPMWVYPTSTFDCVVADPRKGSKMYGLKSYIEYQLT
 PTNTN RSVNHRYKHFDWLYERLLVKFGSAIPIPSLPDKQVTGRFEEEFIKMRMERLQ
 AWMTRMCRHPVISESEVF QQFLNFRDEKEWKTGKRKAERDELAVMIFSTMEPEA
 PDLDLVEIEQKCEAVGKFTKAMDDGVKELLTVG QEHWKRCTGPLPKEYQKIGKALQ
 SLATVFSSSGYQGETDLNDAITEAGKTYEEIASLVAEQPKDLHFLM ECNHEYKGFL
 GCFPDIIGTHKGAIEKVKESDKLVATSKITLQDKQNMVKRVSIMSYALQAEMNHFHSN
 RI
 YDYNVIRLYLEQQVQFYETIAEKLRLQALSRFPVMSGPTRTRPLEQKLISEEDLAAND
 ILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	SNX9 sorting nexin 9 [Homo sapiens (human)]
Official Symbol	SNX9

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Synonyms	SDP1; WISP; SH3PX1; SH3PXD3A
Gene ID	51429
mRNA Refseq	NM_016224.5
Protein Refseq	NP_057308.1
MIM	605952
UniProt ID	Q9Y5X1



Coomassie blue staining of purified SNX9 protein.