

Product datasheet for **TP506342**

Snx5 (NM_024225) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse sorting nexin 5 (Snx5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206342 protein sequence Red =Cloning site Green =Tags(s)

MAAVPELLEQQEEDRSKLRSVSVDLNVDPSLQIDIPDALSERDKVKFTVHTKTTLSTFQSPFEFSVTRQHE
DFVWLHDTLTETTDYAGLIIPPAPTKPDFDGPREKMQKLGEGEGSMTKEEFAKMKQELEAEYLAVFKKTV
STHEVFLQRLSSHPVLSKDRNFHFVLEYDQDLSVRRKNTKEMFGGFFKSVVKSADDEVLFSGVKEVDDFFE
QEKNFLINYYNRIKDSCAKADKMTRSHKNVADDYIHTAACLHSLALEEPTVIKKYLLKVAELFEKLRKVE
GRVSSDEDLKLTELLRYMLNIEAAKDLLYRRTKALIDYENS NKALDKARLKS KDVKLAETHQEQCCQKF
EQLSESAKEELINFKRKRVAEFRKNLIEMSELEIKHARNNV SLLQSCIDLFKNN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	46.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_077187
Locus ID:	69178
UniProt ID:	Q9D8U8



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RefSeq Size:	2419
Cytogenetics:	2 70.98 cM
RefSeq ORF:	1215
Synonyms:	0910001N05Rik; 1810032P22Rik; AU019504; D2Ert52e
Summary:	<p>Involved in several stages of intracellular trafficking. Interacts with membranes containing phosphatidylinositol lipids. 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. Involved in retrograde transport of lysosomal enzyme receptor IGF2R. May function as link between endosomal transport vesicles and dynactin. Plays a role in the internalization of EGFR after EGF stimulation. Involved in EGFR endosomal sorting and degradation; the function involves PIP5K1C and is retromer-independent. Together with PIP5K1C facilitates HGS interaction with ubiquitinated EGFR, which initiates EGFR sorting to intraluminal vesicles (ILVs) of the multivesicular body for subsequent lysosomal degradation. Involved in E-cadherin sorting and degradation; inhibits PIP5K1C-mediated E-cadherin degradation (By similarity). Plays a role in macropinocytosis (PubMed:18854019).[UniProtKB/Swiss-Prot Function]</p>