

Product datasheet for **TP508351**

Snx1 (NM_019727) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse sorting nexin 1 (Snx1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208351 protein sequence Red =Cloning site Green =Tags(s)
	<p>MASGGGGCSASERLPPFPFGMDPESEGAAGGSEPEAGDSDEGEDIFTGAAAATKPQSPKTTSLFPIKN GSKENGIHEDQDQEPQDLFADATVELSLDSTQNNQKTMPGKTLTSHPPQEATNSPKPQPSYEELEEEQE D QFDLTVGITDPEKIGDGMNAYVAYKVTTQTSLPMFRSRQFAVKRRFSDFLGLYEKLSEKHSQNGFIVPPP PEKSLIGMTKVKGKEDSSSAEFLEKRRALERYLQRIVNHPTMLQDPDVREFLEKEELPRAVGTQALSG AGLLKMFNKATDAVSKMTIKMNESDIWFEEKLQEVECEEQRLRKLHAVVETLVNHRKELALNTALFAKSL AMLGSSSEDNTALSRALSQLAEEVEEKIEQLHQEQANNDFFLLAELLSYIRLLAIVRAAFDQRMKTWQRWQ DAQATLQKKRESEARLLWANKPDKLQQAQDEITEWESRVTQYERDFERISTVVRKEVTRFEKEKSKDFKN HVMKYLETLLHSQQQLAKYWEAFLPEAKAIS</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	59.3 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.



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RefSeq: [NP_062701](#)

Locus ID: 56440

UniProt ID: [Q9WV80](#)

RefSeq Size: 2079

Cytogenetics: 9 C

RefSeq ORF: 1563

Summary: Involved in several stages of intracellular trafficking. Interacts with membranes containing phosphatidylinositol 3-phosphate (PtdIns(3P)) or phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2). 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). Can sense membrane curvature and has in vitro vesicle-to-membrane remodeling activity. Involved in retrograde endosome-to-TGN transport of lysosomal enzyme receptors (IGF2R, M6PR and SORT1). Plays a role in targeting ligand-activated EGFR to the lysosomes for degradation after endocytosis from the cell surface and release from the Golgi. Involvement in retromer-independent endocytic trafficking of P2RY1 and lysosomal degradation of protease-activated receptor-1/F2R. Promotes KALRN- and RHOG-dependent but retromer-independent membrane remodeling such as lamellipodium formation; the function is dependent on GEF activity of KALRN. Required for endocytosis of DRD5 upon agonist stimulation but not for basal receptor trafficking (By similarity).[UniProtKB/Swiss-Prot Function]