

Product datasheet for **TP508317**

Snx2 (NM_026386) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse sorting nexin 2 (Snx2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208317 protein sequence Red =Cloning site Green =Tags(s)

MAAEREPPPLGDVKPTDFEELEDGEDLFTSTVSTLESSPSSPEPASLPAEDISANSNGSKPVEVVLDDDR
EDLFAEATEEVSLDSPERELILSSEPSAVTPVPTPTTLIAPRIESKISAPVIFDRSRDEIEEEANGDIF
DIEIGVSDPEKVGDMNAYMAYRVTTKTSLSMFSKSEFSVKRRFSDFLGLHSLKASKYLHVGYVPPAPE
KSIVGMTKVKVKGKEDSSSTEFVEKRRALERYLQRTVKHPTLLQDPDLRQFLESSELPRAVNTQALSAG
ILRMVNKAADAVNKMTIKMNESDAWFEEKQQFENLDQQLRKLHASVEALVCHRKELSANTAFAKSAAM
LGNSDHTALSRLSQLAEVEEKIDQLHQEQAFADFYMFSELLSDYIRLIAAVKGVDFHRMKCWQKWEDA
QITLLKKRETEAKLMVANKPDKIQQAKNEIREWEAKVQQGERDFEQISKTIRKEVGRFEKERVKDFKAVI
IKYLESLVQTQQQLIKYWEAFLPEAKAIA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	58.5 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_080662



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Locus ID: 67804

UniProt ID: [Q9CWK8](#)

RefSeq Size: 2013

Cytogenetics: 18 D1

RefSeq ORF: 1560

Synonyms: 0610030A03Rik

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. Required for retrograde endosome-to-TGN transport of TGN38. Promotes KALRN- and RHOG-dependent but retromer-independent membrane remodeling such as lamellipodium formation; the function is dependent on GEF activity of KALRN (By similarity).[UniProtKB/Swiss-Prot Function]