

## **Product datasheet for TP516284**

## OriGene Technologies, Inc.

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## Snx27 (NM\_001082484) Mouse Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Mouse sorting nexin family member 27 (Snx27), with C-terminal

MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

**Expression Host:** HEK293T

Expression cDNA Clone or AA >MR216284 protein sequence Red=Cloning site Green=Tags(s)

Sequence:

MADEDGEGIHPSAPHRNGGGGGGGGLHCAGNGGGGGGGGRVVRIVKSESGYGFNVRGQVSEGGQLRSING ELYAPLQHVSAVLPGGAADRAGVRKGDRILEVNGVNVEGATHKQVVDLIRAGEKELILTVLSVPPHEADN LDPSDDSLGQSFYDYTEKQAVPISVPTYKHVEQNGEKFVVYNVYMAGRQLCSKRYREFAILHQNLKREFA NFTFPRLPGKWPFSLSEQQLDARRRGLEEYLEKVCSIRVIGESDIMQEFLSESDENYNGVSDVELRVALP DGTTVTVRVKKNSTTDQVYQAIAAKVGMDSTTVNYFALFEVINHSFVRKLAPNEFPHKLYVQNYTSAVPG TCLTIRKWLFTTEEEVLLNDNDLAVTYFFHQAVDDVKKGYIKAEEKSYQLQKLHEQRKMVMYLNMLRTCE GYNEIIFPHCACDSRRKGHVITAISITHFKLHACTEEGQLENQVIAFEWDEMQRWDTDEEGMAFCFEYAR

GEKKPRWVKIFTPYFNYMHECFERVFCELKWRKENIFQMARSQQRDVAT

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV** 

Tag: C-MYC/DDK

**Predicted MW:** 61 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.

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 001075953





## Snx27 (NM\_001082484) Mouse Recombinant Protein - TP516284

**Locus ID:** 76742

UniProt ID: Q3UHD6

RefSeq Size: 5479 Cytogenetics: 3 F2.1 RefSeq ORF: 1617

**Synonyms:** 5730552M22Rik; ESTM45; ESTM47; R75405

**Summary:** Involved in the retrograde transport from endosome to plasma membrane, a trafficking pathway

that promotes the recycling of internalized transmembrane proteins. Following internalization, endocytosed transmembrane proteins are delivered to early endosomes and recycled to the plasma membrane instead of being degraded in lysosomes. SNX27 specifically binds and directs sorting of a subset of transmembrane proteins containing a PDZ-binding motif at the C-terminus: following interaction with target transmembrane proteins, associates with the retromer complex, preventing entry into the lysosomal pathway, and promotes retromer-tubule based plasma membrane recycling. SNX27 also binds with the WASH complex. Interacts with membranes containing phosphatidylinositol-3-phosphate (PtdIns(3P)). May participate in establishment of natural killer cell polarity. Recruits CYTIP to early endosomes.[UniProtKB/Swiss-Prot Function]