

Product datasheet for MC211299

Snx6 (NM_026998) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snx6 (NM_026998) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Snx6
Synonyms:	2010006G21Rik; 2610032J07Rik; 2810425K19Rik; AU018928; C85963
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC211299 representing NM_026998 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATGGAAGGCCTGGATGACGGCCCCGACTTCCTCTCGGAGGAAGACCGCGGACTTAAAGCAATAAATG
TAGATCTCCAGAGTGACGCTGCTCTGCAGGTGGACATTTTCAGACGCGCTCAGTGAGAGGGATAGAGTCAA
GTTCCACCGTTCACACAAAGAGTTCATTGCCAAATTTTAAGCAAAATGAATTTTCAGTCGTTCCGACAACAT
GAGGAATTTATCTGGCTTCATGATTCCTTTGTTGAAAATGAAGACTATGCAGGTTACATTATCCCACCAG
CACCACCAAGACCTGATTTTGATGCTTCACGGGAAAAACTGCAGAAGCTTGGAGAAGGGGAAGGGTTCGAT
GACAAAGGAAGAATTCACAAAGATGAAACAGGAACTGGAAGCTGAATACCTGGCGATCTTCAAGAAGACA
GTTGCAATGCATGAGGTGTTCTGTGTCGGGTTGCAGCGCATCCTATTTTGAGAAAAGATTTAAATTTCC
ACGTCTTCTTGGAAACAATCAAGATTTGAGTGTTCGAGGAAAAAATAAAAAAGAAAACTCGAGGATTT
CTTTAAAAACATGGTTAAGTCAGCAGATGGAGTCATTGTTCTGGAGTAAAGGATGTAGACGACTCTTT
GAGCACGAACGAACATTCCTTTTAGAGTATCACAACCGAGTTAAGGATGCATCTGCTAAGTCGGACAGAA
TGACAAGATCTCACAAAAGTCTGCTGATGATTACAATAGAATTGGGTCTTCATTGTATGCTTTAGGAAC
TCAGGACTCTACAGATATGCAAGTTTTCTCAAAGTTTCAGAGCTGTTTGATAAAAACAAGAAAAATA
GAAGCTCGGGTGTCTGCTGACGAGGACCTCAAGCTCTCTGACCTATTAAGTACTACTTGCGGGAGTCTC
AAGCAGCTAAGGACCTCTCTATAGAAGGTCTAGGTGCTGCTGGTAGACTATGAAAATGCCAATAAAGCACT
GGACAAGGCAAGAGCGAAAAACAAGATGTTCTACAGGCTGAAACTTCCCAACAGTTGTGCTGTCAGAAG
TTTAAAAAATATCTGAATCTGCAAAACAAGAAGTATGATTTTAAAGACAAGAAGAGTTGCTGCATTCA
GAAAAAATTTAGTGAAGTTCAGAACTAGAAGTGAAGCATGCAAAGGGCAACCTTCAGCTCCTTCAGAA
CTGCCTTGCGGTTTTAAATGGAGACACA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_026998
Insert Size:	1221 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_026998.3 , NP_081274.2
RefSeq Size:	1879 bp
RefSeq ORF:	1221 bp
Locus ID:	72183
UniProt ID:	Q6P8X1
Cytogenetics:	12 C1
Gene Summary:	Involved in several stages of intracellular trafficking. Interacts with membranes phosphatidylinositol 3,4-bisphosphate and/or phosphatidylinositol 4,5-bisphosphate (Probable). 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 (By similarity). Involved in retrograde endosome-to-TGN transport of lysosomal enzyme receptor IGF2R. May function as link between transport vesicles and dynactin. Negatively regulates retrograde transport of BACE1 from the cell surface to the trans-Golgi network. Involved in E-cadherin sorting and degradation; inhibits PIP5K1C-mediated E-cadherin degradation (By similarity). In association with GIT1 involved in EGFR degradation (PubMed:18523162). Promotes lysosomal degradation of CDKN1B (PubMed:20228253). May contribute to transcription regulation (By similarity).[UniProtKB/Swiss-Prot Function]