

## Product datasheet for **MC217261**

### **Snx2 (NM\_026386) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Snx2 (NM_026386) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Snx2
Synonyms:	0610030A03Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217261 representing NM\_026386  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGCCGAGAGGGAGCCTCCTCCGCTGGGGACGTGAAGCCACAGACTTTGAGGAGCTGGAGGACG  
 GAGAGGACCTGTTCAACGACACCGTCTCCACCCTTGAGTCAAGTCCATCATCTCCGAACAGCCAGTCT  
 CCCTGCAGAAGATATCAGTGCAAACCTCTAATGGCTCCAAACCTGTAGAAGTTGCTCTAGACGATGACAGA  
 GAAGATCTTTTCGCAGAAGCCACAGAAGAGGTGCTCTGGACAGTCCCGAAAAGAGAGCTCATCTGTCTCT  
 CCGAGCCGTCTCTCGGTCAACCCTGTCACTCCACCACACTCATTGCTCCTAGAATCGAATCAAAGAG  
 TATCTCTGCTCCAGTCACTTTGACAGATCCAGGGACGAGATTGAAGAAGAAGCAAATGGAGATATTTTT  
 GATATAGAAATGGTGTGCAGATCCGGAAAAAGTTGGTATGGCATGAATGCTTACATGGCATATAGAG  
 TAACAACAAGACTTCTCTTTCCATGTTCAAGAGTGAATTTTCAGTCAAAGAAGATTCACTGACTT  
 TCTTGGTTTGCATAGCAAATTAGCAAGCAAATATTTACATGTTGGTTACATCGTCCACCCGCTCCAGAA  
 AAGAGTATAGTAGGTATGACCAAGGTCAAAGTAGGTAAGAAGATTCATCATCCACTGAGTTGTAGAAA  
 AACGAAGAGCGGCACTGGAGAGGTATCTTCAGAGAACAGTAAAGCATCCGACATTGCTTCAGGATCCTGA  
 CTTAAGGCAGTTTTTGGAAAGCTCAGAGCTGCCGAGAGCAGTTAATACGACGGCTCTGAGTGGAGCAGGA  
 ATATTGAGGATGGTGAACAAGGCTGCCGACGCTGTCAACAAAAAGACAATCAAGATGAATGAATCGGATG  
 CATGGTTTGAAGAAAAGCAACAGCAATTTGAGAATCTTGACCAGCAACTTCGAAACTTCATGCCAGTGT  
 TGAAGCCTTGGTGTGCATAGAAAAGAATTTAGCAACACAGCCGCTTTGCTAAGAGTGCTGCCATG  
 CTAGGTAATTCTGAGGACCACACTGCGCTCTCTAGAGCTTTGTCTCAGCTGGCAGAGGTTGAGGAGAAGA  
 TAGACCAGTTACATCAAGAGCAAGCTTTTGTGACTTTTACATGTTCTCAGAACTTCTTAGTGACTACAT  
 TCGTCTCATTGCTGCAGTGAAGGTGTGTTTACCATCGGATGAAGTGCTGGCAGAAATGGGAAGATGCT  
 CAAATTACCTTGCTCAAAAAACGTGAAACTGAGGCAAAAATGATGGTTGCTAACAAGCCAGATAAAAATC  
 AACAAAGCTAAAAACGAGATAAGAGAGTGGGAGGCGAAAAGTACAACAAGGAGAGAGAGATTTTGGAGAT  
 CTCTAAAAACAATTCGAAAAGAAGTGGGAAGATTTGAGAAAAGACGAGTGAAGATTTTAAAGCTGTTATC  
 ATCAAGTACTGGAGTCATTAGTACAAACACAGCAACAGCTGATAAAGTACTGGGAGGCATTCTACCTG  
 AAGCCAAAGCCATTGCC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_026386

**Insert Size:** 1560 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_026386.1</a> , <a href="#">NP_080662.1</a>
<b>RefSeq Size:</b>	2013 bp
<b>RefSeq ORF:</b>	1560 bp
<b>Locus ID:</b>	67804
<b>UniProt ID:</b>	<a href="#">Q9CWK8</a>
<b>Cytogenetics:</b>	18 D1
<b>Gene Summary:</b>	<p>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]</p>