

## Product datasheet for **MC219527**

### **Snx9 (NM\_025664) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Snx9 (NM_025664) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Snx9
Synonyms:	2700073N08Rik; SDP1; SH3PX1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219527 representing NM\_025664  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCACCAAGGCTCGGGTCATGTACGACTTTGCTGCTGAGCCTGGAACAATGAGCTGACCGTTACTG  
 AAGGAGAAATCATCACAGTTACAAACCCGAATGTTGGTGGAGGATGGCTGGAAGGAAAGAACAACAAGG  
 AGAGCAGGGGCTTGTTCCTACTGACTACGTGGAATTTTACCAAACGATGAAAAAGATCCGTTTTCTTGT  
 GGGAAATCAGTAGCCGACCAAGCTTTCCTCGATTCCCTGACAGCTAGCACAGCTCAAACCAACTCATCTT  
 CTGCCAACAGCAATAACCAAGTTGGTGGTGGCAATGACCCCTGGACAGCCTGGAATGCTCCCAAACCTGG  
 GAACTGGGACAGCTCCGATGCCTGGGGCTCCAGGACAGACGGAAGTACGCTCAGAGGAACAGCAGCGCC  
 AACAACTGGGACACGGGCTTTGGCCACCACAGGCCTACCAAGGACCAGCAACTGGTGTATGACGAAT  
 GGGATGAAGACTGGGACACCCCAAGTCTCCTCACCTTACTTCAAGGATTCAGAACCAGCTGAAGCAGG  
 GGGCATCCAGCGGGAAACAGTCGTGCGGGTGCCTCCTCATGAAGCTGCCCTTAACAAATTTCTGGAA  
 TTTGCAAAACCTGGCATGGAGCAGTACTTGTGGCCAAGCAGCTAGCAAAACCCAAAGAGAAAATCGCCA  
 TCATCGTTGGAGATTATGGCCCTATGTGGGTTTACCTACCTCTACGTTTACTGTGTGGTGTAGTATCC  
 CCGGAAAGGTTCCAAAATGTACGGTCTGAAGAGCTACATTGAGTATCAGCTAACACCCACTAACACTAAC  
 CGATCTGTAAACCACAGATATAAGCACTTTGATTGGTTATATGAGCGTCTCCTGGTTAAGTTTGGGTCTG  
 CCATTCGATCCCTTCTCTTCCAGACAAGCAGGTACAGGTCGCTTTGAAGAGGAATTTATCAAAATGCG  
 GATGGAGCGGCTCCAGGCCTGGATGACCAGGATGTGCCGGCACCCGGTGGTGTAGAAAGTGAAGTTTTC  
 CAGCAGTTCCTGAATTTCCGAGATGAGAAGGAATGGAAGACTGGAAGAGGAAGGCTGAGAAAGACGAAC  
 TGGTGGGAGTGATGATATTTCCACCATGGAACCAGAGGCTCCTGACTTGGATTTGATAGAATAGAACA  
 GAAGTGTGACGCTGTGGGAAAGTTCACCAAGCCATGGATGACGGCGTGAAGGAGCTGCTGACGGTGGGG  
 CAGGAGCACTGGAAGCGCTGCACAGGGCCCTTACCCAAGGAGTATCAGAAGATAGGGAAGGCTCTGCAGA  
 GCTTAGCGGCAGTGTTACAGTCCAGCGTTATCAAGGAGAGACCGACCTTAACGATGCAATCACAGAAGC  
 TGGGAAGACGTATGAGGAGATCGCCAGCCTTGTGGCAGAGCAGCCAAAGAAGGACCTCCACTTCTGATG  
 GAGTGAACCATGAGTACAAAGGCTTTCTCGGCTGCTTCCCGGACATCATTGGTGGCCACAAGGGAGCAA  
 TAGAAAAAGTGAAGAAAGTGATAAGCTGGTTCACACTAGTAAAATTACTCCCAAGACAAGCAGACCAT  
 GGTGAAGAGAGTTGGCACCATGTCTTACGCTCTGCAAGCTGAGATGAATCACTTTACAGTAACCGGATC  
 TATGATTACAACAGTGTATCCGCCTTACCTGGAGCAGCAAGTGCAGTTCTATGAAACAATCGCAGAAA  
 AGCTGAGGCAGGCCCTCAGCCGCTTCCCGTTATG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_025664
- Insert Size:** 1788 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_025664.5</a> , <a href="#">NP_079940.2</a>
<b>RefSeq Size:</b>	2078 bp
<b>RefSeq ORF:</b>	1788 bp
<b>Locus ID:</b>	66616
<b>UniProt ID:</b>	<a href="#">Q91VH2</a>
<b>Cytogenetics:</b>	17 3.51 cM
<b>Gene Summary:</b>	<p>Involved in endocytosis and intracellular vesicle trafficking, both during interphase and at the end of mitosis. Required for efficient progress through mitosis and cytokinesis. Required for normal formation of the cleavage furrow at the end of mitosis. Plays a role in endocytosis via clathrin-coated pits, but also clathrin-independent, actin-dependent fluid-phase endocytosis. Plays a role in macropinocytosis. Promotes internalization of TNFR. Promotes degradation of EGFR after EGF signaling. Stimulates the GTPase activity of DNM1. Promotes DNM1 oligomerization. Promotes activation of the Arp2/3 complex by WASL, and thereby plays a role in the reorganization of the F-actin cytoskeleton (PubMed:23437151). Binds to membranes enriched in phosphatidylinositol 4,5-bisphosphate and promotes membrane tubulation. Has lower affinity for membranes enriched in phosphatidylinositol 3-phosphate (By similarity).[UniProtKB/Swiss-Prot Function]</p>