

## Product datasheet for **MC203700**

### **Snx10 (NM\_028035) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Snx10 (NM_028035) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Snx10
Synonyms:	2410004M09Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC010334  
 GTCGCCGCCGCGCCTTGAGTCAGCAAACCTCCGCCGTGCTCCGGGCCGGCGTTCAGAACC CGGTGTTGAT  
 CGTGTCTCTGAGCTGAAGATGTTCCAGAACAGCAGAAAGAGGAGTTTCGTGAGTGTCTGGGTCGGGACCC  
 CAGGATTCAGAAGGAGGACTTTTGGCACTCTTATATCGACTATGAGATCTGCATTCACACAAATAGCATG  
 TGTTTTACAATGAAAACATCTTGTGTACGAAGAAGGTATAGAGAGTTCGTGTGGCTGAGGCAAAGACTCC  
 AAAGCAACGCGTTGCTGGTACAATTACCAGAACTTCGGTCTAAAAACCTGTTTTTCAACATGAACAATCG  
 CCAGCATGTGACCAACGCCGCCAGGGCTTGAAGATTTTCTCAGAAAAGTCTGCAGAATGCACCTTTG  
 CTTTCCGATAGCAGCCTCCACCTCTTCTGCAGAGCCATCTGAACTCCGAGGACATTGAAGCATGTGTTT  
 CTGGGCAGACCAAGTACTCGGTGGAAGAAGCCATTACAAAGTTTCTTTAATGAATAGACGGTTTCCCGA  
 AGAAGAAGAAGAAGGGAAGAAAGACGCCGAGCTAGAGTATGATTCAGAAAAGTTTCATCCTCTGGGCTTGA  
 CACAGTAGTGACAGCAGTTCTCATGGATGTAAAACGAGCCAGCTCTGCAGGAGTCTGAGAAGGAA  
 TTCTGGGGCTACCACCTTAGGAACGAAATTGTGCCAGCCAGAAAAGAAATGCTGGCTCATAATAGATTCTT  
 ACCCAATGCCACTGTCAGTATCCAGGTAGTGAATTCTTAAAGTGGTGGGTATTAGTACTAGTAGTTT  
 TATGTTGTCTAATTCTAGCCAAGCTTCTGTGTGAAGCTATAAGGTCTGTGAATGCCATACGGCCCTTAT  
 TGCCATCTATACTTGTAAATACGATCCTGCTCTCAAGTAAAATGAGTTATATGAGATATATATATATAT  
 ATTTGGTCTTAACTGGATTTTAAAGAGTTTGGCGTATTAGTAGCATTTAAAGCCAGATAGGGCACCCCTTG  
 CTGTGTCAATGAGGAAGTTACTGTAAACACAGTGTTCGACTGAAGCTAGAGTGCAGAGTCCGAGCACTGC  
 TGACTGCCTGCCTCTCTGACATGTGGCTCTTGTTCGTGGGGACTTTTCTCTGGAAAATACTTTGCCTT  
 CAGGTATTTGATTGAAATATTTAAGAGTATTTAAGCTTTCCAGTATCCTGTATCATGTGTAATGGAAAA  
 TATGCTTACAAAATAGAGATGCACTAAAACAACAAAAACAACAACAAAACAACTTTACATCCTAGGAG  
 GGAAAAAAAACAAAAGTCTTTGTAATTTTGCTTAAATTTGCCAGACACAGATTTAGAAAATACATTCTCAC  
 TGTCCAAAATCAGCTTAAACACTGGCTCTGGCGATGAGTCATTGTGCAATTAGAATCATATCTTATGATT  
 TATTTTCTGTCTTAAAAAAATGTACATTAATAAAAAAAGTCAACAGGTAGCTTCCATGAGGAATAGCTC  
 CTCACGGTTCATTTTTTCAGTTAGAAGAAGGTTTTTATGAGTTAATTTTACCCATAAATATTTTCAGTAAT  
 TTTGGAGTGGAAGTTGGGTTGCTAACATCAGAGCTCATGTTTCATGTTTTAGAAAGCCCTTTCTTTCTAGGT  
 GTCTCTCAAAAGACTGGCTTAATTGGAATAAAATAGCTTTTTTTTTTTAAGTGTCCCAAAGATAAGATAT  
 CTTGGGGTCCACCATGAGCTTCCAGTTTCCAGCCGAGGCAGCAGTTTTCTGGGATAAATTAGCCAAGGGTT  
 CCCCAGAGTCTTCTAGGTATCTCTGGAAACCAGCAGAAGGAATTTTACCTAAGAGGGATAAATTGTTG  
 CTTCCAATGAATGGCTCCCACTCTCGTGGGTGCAAAAAGCGGCAGCAAAAAGCAGCCATTTACTTGGGTAC  
 TTAAGAGTTATTGATTAATAAAAAAGTTATTGACTTGTCTTTGAGAGCCTTCTTACAGAGAATTGGTTA  
 AAAAAACCAACATTCAATTTGGAATAAGAATGATTTTTTAAAGTCTGTCTGAAACATTATCAAACCTG  
 TGTAATATTTTATTTATGCTTAGATCCTGTTAACCCTGTCCTCTAATTGCTTTATTTTAAATGCCAA  
 AAGGAAGTGATTATGCAGCTGTGTGTAGAGTTTTCAGAGCAAGTTCCTCAGCAGTGTAGATGAATTACAT  
 CATTTATGTTTTAACGGCGTTTTTTGGAAAGCATAAATTGTGACATCAGTTATCATGCTACTTCTTGGT  
 GACATAATATAACCTTTGAAGTTAATATGAAGTGATGTTTGTCCATAAACTCCACAGTCACTGTTTTCA  
 CATTAACATGAAAGCAAAGCAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_028035

**Insert Size:** 606 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="#">BC010334</a> , <a href="#">AAH10334</a>
<b>RefSeq Size:</b>	2417 bp
<b>RefSeq ORF:</b>	606 bp
<b>Locus ID:</b>	71982
<b>UniProt ID:</b>	<a href="#">Q9CWT3</a>
<b>Cytogenetics:</b>	6 B3
<b>Gene Summary:</b>	<p>Probable phosphoinositide-binding protein involved in protein sorting and membrane trafficking in endosomes. Plays a role in cilium biogenesis through regulation of the transport and the localization of proteins to the cilium. Required for the localization to the cilium of V-ATPase subunit ATP6V1D and ATP6V0D1, and RAB8A. Involved in osteoclast differentiation and therefore bone resorption.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 4. Variants 1-9 all encode the same isoform (a).</p>