

## Product datasheet for **MC206425**

### **Snx14 (BC080799) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Snx14 (BC080799) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Snx14
Synonyms:	YR-14, B830022K16
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC080799  
 GGGCCTTGTGCGGCTGAGTCTAGCTGTGAAGCTGGTGGTGGTGGCAATGTGGCTCCGCCCGCGCGTT  
 TGGGGGTGCCCTCCGCTCTGCCTCTGAGGGCGGCACGTCTCCCTGCGTGGACTGAGATGGGGTCTTG  
 GGTGCGGACGATCTGCGGGAGGCTGAAGCAGCGGCTGCGGCTGGACGTGGGGCGCGAGATTTGCCGTCAG  
 TATCCGCTGTTCTGCTTCTGCTGCTCTGCCTCAGCGTCGCTCGCTGCTCCTCAACAGGTATCTGCATG  
 TCTTAATGATCTTCTGGTCGTTTGTGCTGGAGTTGTGACATTCTACTGTTCAATAGGACCCGATTCCT  
 CTTACCAATATATTTTCAACAATAAAATACAAACCAAGCAATTAGGACTTCAAGAGTTATTTCCGCAA  
 GGACATAGCTGTGCTGTTTGTGGTAAAGTAAAGTAAACGGCATAGGCCTTCCTTGCTCCTTGAAAAC  
 ATCAGCCCTGGCTAGACCTGAAAGTTTCTCGAAGGTAGATGCATCTCTCAGAGGTTCTGAATTAGT  
 GTTGAAAACTTTGTCTATCCATGGTACAGGGATGTGACGGATGATGAGTCTTTGTTGATGAGCTGAGG  
 ATCACCTTACGGTTTTTGCATCTGTCTTGGTGCAGAATAACCAAGGTGGATATTCATCTATTATAA  
 CCAAGAACTATTAAGCAGCAATGAAACATATAGAAGTATTGTTAAAGCAAGACAGAAAGTAAAGAA  
 CACGGAGATTTACAACAAGCCGCTTTAGAAGAATATGGTCCAGAGCTTCATGTGGCCCTGAGAAGTCGA  
 AGAGATGAATTACAGTATTTAAGGAAGCTTACTGAGTTACTTTTTCTTATATTTTGCCTCTAAAGCAA  
 CAGACTGCAGTCCCTGACATTACTATAAGAGAGATTCTGTCTGTTCTGTGCTTCTTCTTCTTTGGA  
 TTTCTAGCTGATCCAGATACTGTCAATATTTGCTTATCATCTTCATAGACGACAGCCCTCTGAAAA  
 GCAACTGAACCAGCTTCCCTTTGGTTCCATTCCTGCAGAAATTTGCAGAACCTAGAAAATAAAAGCCAT  
 CCGTGCTGAAGTTAGAGCTGAAACAAATCAGAGAACAGCAGGACCTTTTGTCCGCTTTATGAACTTCT  
 GAAACAAGAAGGGGCCGTGCACGTCTGCAAGTTCTGTCTGACAGTCGAGGAATTTAATGATAGAATTTG  
 CGTCCAGAGTTATCAAATGATGAAATGCTATCTCTCCATGAAGAATTGCAGAAGATTTATAAGACCTACT  
 GCTTGGATGAAAGCATTGACAAAATTCGCTTTGATCCCTTCATTGTCGAAGAGATTCAAAGAATTGCTGA  
 AGGCCATACATAGATGTTGTGAAGCTGCAAACTATGAGGTGCTTTTTTGAAGCATATGACACGTCCTT  
 TCCCTGTTGGAGAAGCTGTTTACCCCATGTTTCCACAGTATGAGTATTTTAGGCAACTTTTAAAGAG  
 GTGCAGAATCGCCACACGCAATTCCAAATTCACAGAAGCACACAAAAAAGAGGAGAATCGTTTGGAA  
 CAGCAGAAATAGGTAGCAAATTAAGGCGTATTCAAGAGTACGACAATGGAGGGAGCTGTGCTGCCTAAT  
 TACGGGGTGGCTGAAGGCGAAGATGACTTTATTGAAGAAGGGATTGTGGTAATGGAGGATGACTCTCCAG  
 TAGAAGCTGTGAGCACACCTAACACTCCTCGAAACCTTGTGCTGGAATAATAGCATTCCGATGTAGA  
 CTTTTTGAAGATCCCTCCTCTGAAAGGAAAGAGAAGAAGGAGAGAATTCCTGTTTTTGTATCGATGTT  
 GAAAGAAACGACAGACGAGCAGTTGGACACGAGCCTGAGCATTGGTCTGTCTATAGAAGATCTTGAAT  
 TCTATGTTCTTGAATCAAACTAACAGAATTTTCATGGCACATTTCTGATGCTCAGCTTCCATCCAAAAG  
 GATCATTGGCCCCAAAACCTATGAGTTTTTGAAGTCAAGAGAGAGGAGTTCCAGGAGTATCTGCAGAAA  
 CTTGTGCAGCACCGGAGCTGAGTAACAGCCAGCTTCTGGCTGACTTTCTCTCCCAACCGTGGGGAGA  
 CACAGTTTCTAGATAAGATACTTCCAGATGTAATCTTGGAAAAATTATAAAGTCTGTTCCCTGGGAACT  
 AATGAAAGAGAAAGGTCAGCATTGGAGCCATTTCATGAGTTTCATTAATTTCTTGCGAATCTCCAAA  
 CCTAAACCGAGTCGGCCAGAAGTACGATTCTCAGCCCCACTTCCGAAAACAACAAGAAGCTTTTCAACG  
 ATCTGTTTAAAGAATAATGCAAACCGCGCTGAGAACACAGAGCGAAAGCAAAATCAGAAGTACTTCATGGA  
 GGTGATGACTGTGGACGGAGTCTATGATTACCTGATGTATGTAGGGCGAGTAGTTTTTCAAGTCCAGAC  
 TGGCTTCATCATCTTCTAATGGGAACTCGAATCCTCTTTAAGAACACCCTGGAAATGTACACAGACTACT  
 ACCTCCAGTGCAAGCTGGAGCAGCTGTTTCAGGAGCACCAGCTGGTCTCCCTCATCACCTTCTCAGAGA  
 TGCTATATTTTGTGAAAATACTGAACCTCGCTCTCCTCAAGATAAGCAAAAAGGAGCAAAAACAGACTTTT  
 GAAGAAATGATGAATTACATTCCAGATCTGATAGTCAAGTGTATCGGTGAAGAAACCAAGTACGAAAGCA  
 TCAGACTCCTGTTTGTGGCCTGCAGCAGCCAGTCTCAACAAGCAGCTGACCTATGTGTTGCTGGACAT  
 TGTGATACAGGAGCTGTTTCCAGAGCTAAATAAGGTACAAAAGGAAGCTACCTCCATGACATCCTGGATG  
 TAAACACTTGGTATAGAATAACATACCAGAATAATAGAATGTACTTTTCACTTTGTATATTTTTATAAA  
 TATCATGTACTTTAGTGTGTTGGAATATATTTTTGTTTTAATAAAGACTAACAAATAGCAATAAAAAAGT  
 GTTTAGGTATTAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AA

**Restriction Sites:** RsrII-NotI  
**ACCN:** BC080799  
**Insert Size:** 2814 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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="#">BC080799</a> , <a href="#">AAH80799</a>
<b>RefSeq Size:</b>	3152 bp
<b>RefSeq ORF:</b>	2814 bp
<b>Locus ID:</b>	244962
<b>Cytogenetics:</b>	9 E3.1
<b>Gene Summary:</b>	Plays a role in maintaining normal neuronal excitability and synaptic transmission. May be involved in several stages of intracellular trafficking (PubMed:24859318). Required for autophagosome clearance, possibly by mediating the fusion of lysosomes with autophagosomes. Binds phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2), a key component of late endosomes/lysosomes. Does not bind phosphatidylinositol 3-phosphate (PtdIns(3P)) (By similarity).[UniProtKB/Swiss-Prot Function]