

## Product datasheet for **MC203945**

### **Nxn1 (NM\_145598) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nxn1 (NM_145598) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nxn1
Synonyms:	A930031O08Rik; RdCVF; Txnl6
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC021911  
 CAGCTCCTTGCTACTGCTACCATGGCATCTCTTCTCTGGACGCATCTTGATCAGGAACAACAGCGAC  
 CAGGATGAAGTGGAGACAGAGGCAGAGCTGAGCCGTAGGTTAGAGAATCGTCTGGTGTGCTGTTCTTCG  
 GCGCCGGCGCCTGTCCCCAGTGCCAGGCCCTTGGCCAGTCTCAAAGACTTCTTCGTGCGGCTCACTGA  
 CGATTTACGTGCTGCGGGCAGCACAGCTGGCCCTGGTCTATGTGTCCCAGGACCCTACAGAGGAGCAA  
 CAGGACCTCTTCTCAGGGACATGCCTGAAAAATGGCTCTTCTGCCGTTCCATGATGAAGTGGAGGGG  
 ACCTCGGGCGCCAGTTCTGTCCGTCACTGCCAGCGTTGTGGTACTTAAGCCTGGTGGGGACGTGCT  
 GACAAGCGACGCCACGGAGGAGATCCAGCGTCTGGGACCCGCTGCTTTGCCAAGTGGCAGGAGGCCGA  
 GAGCTCCTGGACCGCAGCTTCTGCAACCGGAGGATTTGGATGAGCCTGCGCGGCCGAGCATCACCGAGC  
 CTCTGCGCCGTGCAAGTACCGAGTAGACCGGGATGTCGGCCGGGAGCGGGGCCGAAACGGCCGCGACTC  
 TGGTGACCCCCAGGGGACGCGGGTACAAGGGCGGAGCTCTGGTGACTCCCAGGGTAGGAGTGGGGACGG  
 AGCTCTGGTGACCCCCAAGTACCCGGGTGCAGGGACAGAGGTCTGATGACCCCCCCCCGAAGTACC  
 CGGGTGCAGTGGTACCTCCAGAGAACTCGGTGTAGGGGCAAGGCTCAGATTATCCTTGCCTCTCTAA  
 GTTCAGTATGTTCCCTAAACAGCAGCCAGGGTGGCCTTGAAGTACCATTCTCATGCCTCAGTGAAGA  
 GTAGCTGGAATGCCAGCCAAAAAGAGACAAGAGGTTTCTTTCCAGATCTCTCTAGTCTTTGAAAGAAC  
 ATAGACTCCCACGAACAGATACCCTGAGCAAGATTTCCAGGTCTTAATCATGCACTACCGCCACCTACAA  
 AAAAGAAAAAGAAAAAGAAAGAAAGAAAGAAAGAAAGTGTGTGTGTCAGAAGGTCAAGGCCAT  
 TTTTCGCTACATAGAGAGAGCACTAGGCCGGCTGCGGCTAGGTGAGACCTCGATCTAAGCCTCTGAGACT  
 TCCGGACAGGACCCTTGTCTCTCAAAGGCTAAGTGTGTGCGATGTTTTGCTTTTGCCTACCGCGTCC  
 CCTGGCGACCGAATCGGGATAGTGCCTGAGTTTAAAACCTCCTGCACCAAGCAAGTCCACGGAAGCTTG  
 CAAACCTGACTTTCTGGGATCAAGAATCTGACTAGAGGGAGTAAGAAAGCTGTGAACCAGGGGAATCGGA  
 CCCTGCCAACCTCTCATCTGCCCTCCGCTCCCAAGGGAGTAGTGGGGAAACAGGTTCAAGACTGAATAAG  
 CCTGACAACCTGTATTCGATCCCGGGGAACCCACATAGCGCTACTCAAACAAGTTGCCCTGACTTGCA  
 CTCATGTCCCCTCAAAGAGTAATTAATGGAGAATTTAAAATTATTATTTTGGCTTTTCAAGACAGGTTT  
 CTCTGTGTTGCCCTGTAGGCTCGAACTCAGAGATCCTCCTGCCTTTGCCTCCCGAGTGCTAGGACTTAAG  
 GCATGACTACCACTGCCAAGAGAAAAATTTAAAATGTTAATTAAGGAAATAGAAATCCTCACTCACCC  
 CTTTTAGGAAATAAAATGTGTACAGTTGCATGGGAATCTGCTTTGTAATCCACAACCGTGAGATGGAGTT  
 GGCCTGGGAACCGCGTGTGACTCAGAACCTCACTGCTGGCGGCTGGGCTCCAGGCTTGTATGTGT  
 GTTCTGGCTTTGTAGCTGACCTGGTTGAAAGGTAGACACATCCCAAATGTCCATCAATAGATCAATGG  
 ATCAACACCTGTGGGATGCCAGAGTGGACTATTGCTCAGCCACGAACAGGAATGAAGCACTGACACAGG  
 CTACCATACCAGAGATTGAGTGGCAGCAGCCAGACACAAAACACTTCACTTGGCAGGAAGTGTCCCAAC  
 AGGGACAGCCACAAATGGAGCTGCCAGGCCTTAGGACAGTGGAGCATGATTGATAGGAGGGACTCTCT  
 TAAAGAGATAGAATGCTTCCAACTAGATAGATATAGGCAGGGTTGCTCTGTAATGTGCTTTAAAAACA  
 AACACAAAACAGCGAGTAAAACTGGATACTCTATTGTAAGTTTCAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_145598

**Insert Size:** 654 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:**

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:** [BC021911](#), [AAH21911](#)

**RefSeq Size:** 2300 bp

**RefSeq ORF:** 654 bp

**Locus ID:** 234404

**UniProt ID:** [Q8VC33](#)

**Cytogenetics:** 8 B3.3

**Gene Summary:** May play a role in cone cell viability, slowing down cone degeneration, does not seem to play a role in degenerating rods.[UniProtKB/Swiss-Prot Function]