

Product datasheet for **MC203419**

Neurog2 (NM_009718) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neurog2 (NM_009718) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Neurog2
Synonyms:	Atoh4; bHLHa8; Math4A; ngn-2; ngn2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC055743
 GCAGCCACTGAACCACAAGCAGCTCGGCTTAACTGGAGTGCCTTGGAGTCGCGTGCCAGCAGCCACACG
 GCCAGGGACTGACTGACAGACAACCACGCACGAGAACGACAACACACGAGACTCGGGCGAGCTGCCGCG
 TCGTCCGGGCTCTTGGCAAAGTCGCCAGCCGAGAGGGCCCCCGCGGAGGTGCGCTAGGAAGCGCAA
 GCCCGCGCGCGGAGGACACCGTCTCGGTTCCGGGCTGCGGGGACATCCCGGACACACCCGGAGCAG
 CAGCTGCGCCGCGACACATCTGGAGCCGCTAGGATGTTTCGTCAAATCTGAGACTCTGGAGTTGAAGGAG
 GAAGAGGAGTACTGATGCTGCTGGGCTCGGCTCCCCGGCCTCGGCGACCCTGACCCCGATGTCCTCCA
 GCGCGGACGAGGAGGAGGACGAGGAGCTGCGCCGCGCGGCTCCGCGCGTGGGCAGCGTGGAGCGGAAGC
 CGGGCAGGGGTGCAGGGCAGTCCGCGCTCGGGTCCCGGGGTTGCCGGCCAGGGCGGCTCTGGGCTG
 ATGCACGAGTGCAAGCGTCGCCGCTCACGGGCGTCTCCGAGGTGCCAAGACGGCGGAGACGG
 TGCAGCGCATCAAGAAGACCCGAGGCTCAAGGCCAACACCAGGAGCGCAACCGCATGCACAACCTAAA
 CGCCGCGTGGACGCGTGCAGGAGGTGCTGCCACCTCCCGAGGATGCCAAGCTCACGAAGATCGAG
 ACGCTGCGCTCGCCACAATTACATCTGGGCGTCCAGGAGACTCTGCGCTGGCGGACACTGCGCCG
 GCGCCGTTGGCTCCAGGGGCGCTCTTACGGAGGCGGTCTCTGAGCCCGGAGCTGCGCTCGGCGC
 CAGCGGGACAGCCCTTCCACCTTCTCTGGAGCTGCACCAACAGCCCGGCGTCATCTCCAACCTCC
 ACGTCCCACATACAGCTGCACTTTATCGCCGCTAGCCCGGGTACAGACTGGACTACTGGAGCCCCCAC
 CTCCGGAGAAGCATCGTTATGCGCCTCACCTGCCCTCGCCAGGGACTGTATCTAGAGCTGCGGGTCTCC
 CTCTCTCGTCTTACCCGGCCCTTCCCATCTTCTCCCGCCCTCACCTCCACGCCCGGACTCCA
 CTTACAGAGCAGAGGTGGCCCTTGAATCCCCTCGGCGGCTGGTGCATTCGGGGTGGAGACCAGCTCT
 GGTATTATGAAGATGTGAGGATTTATGGTCAAAGAGGACTATGGCGTGTGGGAGTGGGGGCTGGCGTGGG
 GAACCTCGTAAGACTGTAAAAGACACTGAGAAAAAGTACCATAACTAACGAGTGTGCAGAGCAGACTGAC
 GCTCCTCCCCTCTCTCAGAGCTGCTGGAGGAGAACTCCGGCAGGCAGTTCGTGTAATCTCTCAGAGGG
 AATGCAACTGGTCCCTGTGATCTTTTACCTTCGTTTACATAGAGATGTTAATGTCAGTCGAAAGAAA
 TGTATTTAGCATCTGAATGAATTTACTGGTAATAATATTATCCACACATTTGCAATGGCTGGCATCTGC
 TCTATTTCCATTGCTGTCTGCAGGCTGTGGGAATTTACCTGTCAAACAACTTTCCCTCTCTGATGTG
 CACTTTGTTTTTTCCAGATTCGTACAAATGCCTATTGTCCCGCCCTTTTTTCTTTTTTCTCCAT
 TTTGCCATCTGTCTTTATGATTTATAAGGGGAAAAACTTGTGTTTGTAGAGGGCCAGGTTAGAAGTCA
 TTGTATAATTTGAGGCTTTTGAAGGTTGAATGCAAGCGTGGAAATTTAGGCTGAATTTCTATCAAA
 AGAAAAATGTGAAGGAAAAAGGAAAAATCAGGAGGGAGGATTGCTTCATGCATTATTTATCTCGACCTT
 TTAGGGGAGAAGGAACTCCCCATCTTTCAAGAGATTAATAAATCAACAGTCTGAAAACCTAAGCA
 GACACGGGGCATTGCCAGGATCAGCCACACAGTGTTCCTTCTATTTATTTTGAAGAAAAATTTATGG
 GAAAGTATGTATTTTTTTGTATATTCTACAGAGTTTATTTAGTATGATTTTACATCCCCAAGAATAAGA
 AATTGTTTTGTGATTAAGCTATAAATAAAGTATCTAATTTTCATAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAA

- Restriction Sites:** Ascl-NotI
- ACCN:** NM_009718
- Insert Size:** 792 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: [BC055743](#), [AAH55743](#)

RefSeq Size: 2244 bp

RefSeq ORF: 792 bp

Locus ID: 11924

UniProt ID: [P70447](#)

Cytogenetics: 3 G2

Gene Summary: Transcriptional regulator. Involved in neuronal differentiation. Activates transcription by binding to the E box (5'-CANNTG-3').[UniProtKB/Swiss-Prot Function]