

## Product datasheet for **MC203062**

### Nadsyn1 (NM\_030221) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nadsyn1 (NM_030221) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nadsyn1
Synonyms:	9130012B15Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC038016  
 CCACGCGTCCGATTACACCGTCCCAGCCTGGAACCTGTAACCAGCATGGGCCGGAAAAGTGACCGTGGCCA  
 CCTGTGCACTCAATCAGTGGGCCCTGGACTTTGAGGGCAATTTCCAGAGGATTTTAAAGAGTATTCAAAT  
 TGCCAAAGGCAAAGGTGCAAGATACAGGCTTGGACCAGAACTAGAAAATATGCGGCTATGGATGTTGGGAT  
 CATTATCACGAATCAGACACTCTCTGCATTGCTCCAAGTTCTGGCTGCTCTTCTGGACTCTCCGGTCA  
 CTCAGGACATCATCTGTGATGTGGGGATGCCTATAATGCACCGGAATGTTGCTACAACGACAGATCAG  
 CTTTCTCAACAGGAAGATCCTGCTCATCAGACCCAAGATGGCCTTGCCCAACGAAGGCAACTACCGGGAA  
 CTGCGCTGGTTTACCCCTGGACCAGGAGCCGACAAACTGAGGAATATGTCCTCCCTCGGATGTTACAGG  
 ACCTGACAAAGCAGAAAAGTGTGCCCTTTGGAGATGTGGTACTGGCCACCCAGGACACCTGTGTCGGGAG  
 TGAGATCTGTGAGGAGCTCTGGACACCAGCAGCCCCACGTCGACATGGGCCTGGATGGTGTGGAGATC  
 ATTACCAATGCCTCGGGCAGCCACCAGTGTCTCCGCAAAGCCCATACCAGAGTGGATCTGGTAACCATGG  
 CCACCTCCAAGAATGGTGGCATCTACCTGCTGGCCAACCAGAAGGGCTGCGACGGTGACCGTCTCTACTA  
 CGATGGCTGTGCCATGATTGCTATGAACGGGAGCATCTTGGCCAGGGCACTCAGTTCTCATTGGATGAT  
 GTGGAGGTTCTACTGCCACCCTGGACCTGGAGGACGTTAGGAGCTACAGGGCAGAGATCTCATCTCGGA  
 ACCTGGAGGCAACCAGGGTGAGCCCATATCCCGGGTGACGGTGGACTTTGCCCTTTCGGTCAGTGAAGA  
 CTTGTTGGAGCCAGTGTAGAGCCTATAGAATGGACATACCACAGGCCTGAGGAGGAGATAAGCCTCGGC  
 CCTGCCTGCTGGCTCTGGGACTTCTTCGACGGAGCAAACAGGCTGGGTTTTTCCTGCCCTGAGTGGTG  
 GTGTGGACAGTGCAGCCAGCGCCTGTATCGTCTACTCCATGTGCTGCCTGGTCTGCGATGCTGTGAAGAG  
 CGGAAATCAGCAAGTGTGACAGACGTCCAGAACCTGGTGGATGAGAGCAGCTACACCCCTCAGGATCCC  
 CGGGAGCTCTGCGGACGGCTGCTCACTACTTGTACATGGCCAGCGAAAACCTCTCCAGGAGACCCACA  
 GCAGAGCCACAAAAGTGGCTCAGCTGATTGGAAGCTACCACATCAATCTGAGCATCGACACTGCTGTGAA  
 GGCTGTCTTGGGCATCTTCAGCCTGGTGACCGGGAAGTTGCCTCGGTTCTCAGCCACGGAGGGAGCAGC  
 AGGGAAACCTGGCCTTGCAAGATGTGACGGCTCGGATTAGGATGGTCTTGCCTACCTGTTTGCCTCAGC  
 TGAGCCTCTGGTCTCGGGGTGCTCGAGGAAGCCTTCTTGTGCTTGATCTGCCAATGTGGATGAGAGTCT  
 CCTCGGCTACCTGACCAAGTACGACTGCTCCAGTGCAGCATCAACCCATAGGCGGCATCAGCAAGACG  
 GACCTGAGAGCCTTTGTCCAGTTTTGCGCAGAGCGCTTCCAGCTTCTGTCTGCAGACCATCTGTGAG  
 CACCGGCCACTGCAGAGCTGGAGCCCTTAGCTGATGGGCAGGTGTCTCAGATGGATGAGGAAGACATGGG  
 GATGACGTACGCAGAATCTCCATCTTCCGCGAGGCTCCGGAAGGTGCGCAAGGCAGGCCCTACAGCATG  
 TTCTGCAAAGTGTCAACATGTGGAGAGACAGCTATACACCAACACAGGTAGCTGAGAAGGTGAAGCTAT  
 TTTTCTCAAAGTACTCCATGAACAGGCACAAGATGACAACCTCACACCAGCATATCATGCTGAAAACATA  
 CAGTCTGACGACAACAGGTTTACCTGAGACCCTTCTGTACAACACGAGATGGCCCTGGCAGTCTCTC  
 TGATTGACAACAGGTTCTACAGCTTGAGAGGAAAGCATCGCAGACCCGGGAAGAACAGGTCTCTGGAGC  
 ACCTCAAAGAGCCATCACCTATATGAAAACAGCTCCTCCCAAGGACCCCTAATGTGAATCCAGATCAGC  
 GGTGGCCGGCACAGCCGACCAGATCTTAGTTACCTTTAAGGAAGAGAGATTTATTCTAATGACATAAA  
 AATATAAAACAAGAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_030221

**Insert Size:** 2178 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:** [BC038016](#), [AAH38016](#)

**RefSeq Size:** 2338 bp

**RefSeq ORF:** 2178 bp

**Locus ID:** 78914

**UniProt ID:** [Q711T7](#)

**Cytogenetics:** 7 F5

**Gene Summary:** Catalyzes the ATP-dependent amidation of deamido-NAD to form NAD. Uses L-glutamine as a nitrogen source.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).