

Product datasheet for **MC203291**

Nans (NM_053179) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nans (NM_053179) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nans
Synonyms:	4632418E04Rik; BB056474; Sas
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC057977
 CACCATGCCGCTGGAAGCTGGAGCTGTGTCCCGGGCGCTGGGTGGGTGGAAAGCACCCGTGCTTCATCATC
 GCGGAGATCGGCCAGAACCACCAAGGAGACATAGATGTGGCCAAGCGCATGATCCGCACTGCCAAGGAGT
 GTGGGGCCGACTGCGCTAAGTTTCAGAAGAGCGAGTTGGAGTTCAAGTTTAAACCGGAAGGCCCTGGAGAG
 ACCATATACTTCGAAGCATTTCATGGGGGAAGACGTATGGGGAGCACAAGCGGCATCTGGAATTCAGCCAC
 GACCAGTACAAGGAGCTGCAGAGCTATGCGCAGGAGATCGGCATCTTCTCACTGCCTTGGCATTGGACG
 AGATGGCAGTTGAGTTTCTGCACGAAGTGAATGTTCCCTTTTCAAAGTTGGATCTGGGGACACTAACAA
 TTTTCCCTACCTGGAAAAGACAGCCAAGAAAGGTCGTCTATGGTGATCTCCAGCGGGATGCAGTCAATG
 GACACCATGAAGCAAGTCTATCAGATCGTGAAGCCGCTGAATCCCAACTTCTGCTTCTCCAATGCACCA
 GCGCGTACCCACTACAGCCCAGGATGCCAACCTGCGCGTCATCTCGGAATACCAGAAGCTTTTCCCGA
 CATTCCCATCGGGTATTCCGGGCACGAGACGGGCATCGCCATATCTGTGGCCGCGTGGCTCTGGGGGCC
 AAGGTGTTGGAACGTACATAACGTTGGACAAGACCTGGAAGGGGAGTGACCACTCAGCCTCGCTGGAGC
 CTGGGGAGCTGGCAGAGCTGGTGCAGTCTGTGCGCCTGGTGGAGCGGGCCCTGGGCTCCCAACCAAGCA
 GCTGCTGCCCTGTGAGATGGCCTGCAATGAGAAGCTCGGCAAGTCTGTGGTAGCCAAAGTAAAAATCCCA
 GCAGGCACCACCTGACCCTGGACATGCTCACTGTGAAGGTGGGGAGCCAAAGGCTATCCTCCTGAAG
 ACATCTTCAACCTAGCGGGCAAAAAGGTGCTGGTCACTATCGAAGAAGATGACACGGTCAATGGAAGAAC
 CGTGGAAGTACAGCAAGAAAATCAAGGCTTAAAATAAAAGTGCCACTGCGGCTTGTGACGCCACCTGCTG
 TGCTGCTGTCCAGTGTGTGGGTGCAGAGGGGCAGGAATGTCACTCCAGGCCACCTGTGCGAGTGGC
 CACCTGTGTCTAGCCATTGGGAAGGAGGAGCCAAAGGCTGTTGTGCTTCGGAGCGTCCAGCCAGAGA
 AAGTGGCCAGAGCACATGCAGCTCCTTAGGGTCTCTGTGTGGCTCTGTTGACATCTTCAGCCTTCAAC
 TTCCCACTCTACAAGCAACTCCAGGGACCTGAGCTCTCAGCTCCTCATAGAGCACCGAAGCGTGGGCAT
 TAGACTCTGCCTGAGCCCCTGTGGGCAGAGACAAGCTCTCCCAACTCTGTGAGCGAAGGCAGGGACAGAG
 CGTTCACCCCTTTGGCAGTGTACCCGCCAGAGGCTACGGTTCTTAGCAGCCAGTCCCTTCTCAGAGG
 CCTGTCTCAGACATCAGGTGCACACTAACCCACGGTACAGTTGGCCAAGCAGAGGCAGCTGTGAGAAGG
 GGAATGGGAAGCAGGGAGGAACCGGGTCTGGGGGTGGGGGTGGGGTGGAGGGGTGGAGCTTGTTC
 TCTTAACCATGGGGAGGTGCAGACATCAGCCCTGCCGTAAGCACCAGGGTCTTGTACATATGACAGAT
 TACAAACCCAGACAAAGGTGCTATTGTTTGACTTGTAAAGGGCATGAACTTTACCGAGGCTCACTGTC
 ACATTCACCTTTGTTCTTTGGAATCAATGCTGAGATTAATCATTTTGTCTTTTAAAGTATCTCCTGTCT
 TCATCTATTTAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_053179

Insert Size: 1080 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: [BC057977](#), [AAH57977](#)
RefSeq Size: 1916 bp
RefSeq ORF: 1080 bp
Locus ID: 94181
UniProt ID: [Q99J77](#)
Cytogenetics: 4 B1
Gene Summary: Produces N-acetylneuraminate-9-phosphate (Neu5Ac-9-P) from N-acetylmannosamine 6-phosphate. Has no detectable activity towards N-acetylmannosamine or mannose 6-phosphate.[UniProtKB/Swiss-Prot Function]