

Product datasheet for MR203070

Nmnat3 (NM_144533) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nmnat3 (NM_144533) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nmnat3
Synonyms:	4933408N02Rik; PNAT3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203070 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGAACCGAATCCCTGTGGTGCTTCTGGCCTGTGGTTCCTTCAACCCCATCACGAATATGCACCTGC
GCTTGTGGAGGTGGCCAGAGACCACCTACACCAACAGGAAGGTACCAGGTGATTGAGGGCATCATCTC
ACCGTCAATGACAGCTATGGGAAGAAAGACCTGGTGGCTTCCCATCACCGAGTGGCCATGGCCCGGCTG
GCCCTGCAGACATCTGACTGGATTCGGGTGGACCCTGGGAGAGTGAGCAGGCGCAGTGGATGAAAACGG
TGAAGGTGCTGAGGCACCATCACAGGGAGCTGCTCAGATCCTCAGCCAGATGGATGGCCAGACCCAG
CAAGACACCATCAGCCTCTGCAGCACTGCCAGAGTTGAACTCCTCTGCGGAGCTGATGTCTCAAGACC
TTCCAGACCCCAACCTCTGAAAAGACACGCACATCCAGGAAATAGTGGAGAAGTTCGGCTTGGTGTGCG
TGAGCAGGAGCGGTATGACCCGAAAGGTACATCTCGGACTCGCCATCCTCCAGCAGTTTCAGACAA
CATTACCTGGCCAGGAAACCCGTTCTGAACGAGATCAGTGCCACATACGTGAGGAAAGCCTTGGGCAA
GGCAGAGCGTGAAGTACCTCCTCCCTGAGGCCGTCATCACCTACATCAGGGACCAGGCCCTCATATCA
ATGACGGTTCCTGAAAAGGAAAGGAAAGACTGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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: [NM_144533.3](#)

RefSeq Size: 2160 bp

RefSeq ORF: 738 bp

Locus ID: 74080

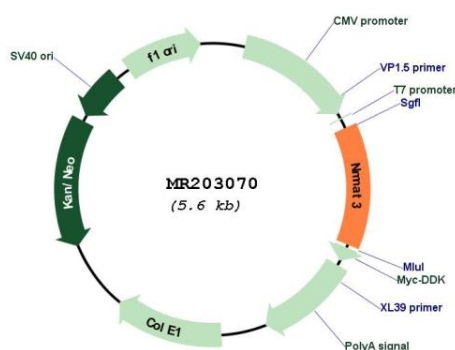
UniProt ID: [Q99JR6](#)

Cytogenetics: 9 E3.3

MW: 27.7 kDa

Gene Summary: Catalyzes the formation of NAD(+) from nicotinamide mononucleotide (NMN) and ATP. Can also use the deamidated form; nicotinic acid mononucleotide (NaMN) as substrate with the same efficiency. Can use triazofurin monophosphate (TrMP) as substrate. Can also use GTP and ITP as nucleotide donors. Also catalyzes the reverse reaction, i.e. the pyrophosphorolytic cleavage of NAD(+). For the pyrophosphorolytic activity, can use NAD(+), NADH, NaAD, nicotinic acid adenine dinucleotide phosphate (NHD), nicotinamide guanine dinucleotide (NGD) as substrates. Fails to cleave phosphorylated dinucleotides NADP(+), NADPH and NaADP(+). Protects against axonal degeneration following injury.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203070