

Product datasheet for MC210874

Naxd (NM_001190357) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Naxd (NM_001190357) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Naxd
Synonyms:	0710008K08Rik; 2810407E01Rik; Carkd
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210874 representing NM_001190357 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGTCCGCTGTGTGGCAATCCGCGCCTGCGGGGAGTTTTACAGAGAGCACTGTCTCTCCATACAG
CACATGCGACAAAGGACATGGAGAACCTTTTCAGCTGGTGAGAAACATTGTGCCTGCTCTGACGTCGAA
GAAGCACAAGGGCAAGATGGAAGAATAGGCATAGTCGGGGGCTGCCAAGAGTACACAGGAGCACCATAT
TTTGCAGGAATCTCAGCCTTGAAAGTGGGTGCAGATTTGACCCACGTGTTCTGTGCCAGGGAGGCAGCGC
CAGTGATCAAGTCCTACAGCCCAGAGCTGATCGTCCACCCAGTCCTTGACAGTTCCAATGCTGTTGAGGA
GGTGGAGAAATGGCTCCCAGGCTGCATGCCCTTGTCGTGGGACCTGGCCTAGGTAGGGATGACCTTCTT
CTCAACAATGTCAGGGGCATTTTGAATCAACCAAGGCCAGGGACATCCCTGTGGTCATTGATGCGGACG
GCCTGTGGCTCGTTGCTCAGCAGCCAGCCCTCATCCATAGTTACCACAAGGCCATTCTCACCCCCAACCA
CGTGGAGTTCAGCAGACTCTGGGAAGCTGTGCTCAGTAGTCCTATGGACAGCAACGATCTCAAGGGCTCC
ACACTGAAGCTCAGCCAGGCCCTGGGAACATCACAGTGGTCCAGAAAGGAGAGCAGGACCTGATCTCCA
ATGGCCAGCAGGTGCTTGTGTGAACCAAGAAGGCAGCAGTCGCAGGTGTGGCGGCAAGGCGATCTCCT
GTCAGGCTCCCTGGGTGTCATGGTGCAGTGGGCCCTCCGTGCTGGACCAGAGAAAAACAAATGGCTCCAGC
CCTCCTGGTGGCTGCCTGGGGCGCCTGCACACTCACAAGGGAGTGAACCGGCAGGCCTTCAGAAGT
ACGGGCGCTCTACAACCACTACCGACATGATCACAGAGGTAGGAAGTGCCTTCAGCAGGCTCTTCACGAC
CTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001190357
Insert Size:	984 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001190357.1, NP_001177286.1</u>
RefSeq Size:	1330 bp
RefSeq ORF:	984 bp
Locus ID:	69225
UniProt ID:	<u>Q9CZ42</u>
Cytogenetics:	8 A1.1
Gene Summary:	Catalyzes the dehydration of the S-form of NAD(P)HX at the expense of ATP, which is converted to ADP. Together with NAD(P)HX epimerase, which catalyzes the epimerization of the S- and R-forms, the enzyme allows the repair of both epimers of NAD(P)HX, a damaged form of NAD(P)H that is a result of enzymatic or heat-dependent hydration.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame exon in the 5' UTR and 5' coding region, compared to variant 1. This results in a shorter protein (isoform 2) with a distinct N-terminus, compared to isoform 1.