

Product datasheet for **MC210873**

Naxd (NM_026995) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Naxd (NM_026995) Mouse Untagged Clone
Tag: Tag Free
Symbol: Naxd
Synonyms: 0710008K08Rik; 2810407E01Rik; Carkd
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210873 representing NM_026995
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

CTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC**GGCGC**
GCCC

ATGGGAGTCCGCTGTGTGGCAATCCGCGCCTGCGGGGAGGTAAAGATCGATCCGGCGTCCCGGGATGG
CCGTTACGCCTGTGGGCTGCGCGGCCGTGGTGGCGCTGCTTCCGCCGCGATCGCGCTCCAGTGGT
GCCGCTGTACGAGTTTTACAGAGAGCACTGTCTCTCCATACAGCACATGCGACAAGGACATGGAGAAC
CTTTTTACGCTGGTGAGAAACATTGTGCCTGCTCTGACGTCGAAGAAGCAAGGGGCAAGATGGAAGAA
TAGGCATAGTCCGGGGCTGCCAAGAGTACACAGGAGCACCATATTTTGCAGGAATCTCAGCCTTGAAGT
GGGTGCAGATTTGACCCACGTGTTCTGTGCCAGGGAGGCAGCGCCAGTGATCAAGTCTACAGCCCAGAG
CTGATCGTCCACCCAGTCCTTGACAGTTCCAATGCTGTTGAGGAGGTGGAGAAAATGGCTCCCCAGGCTGC
ATGCCCTGTGCGTGGGACCTGGCCTAGGTAGGGATGACCTTCTTCTCAACAATGTCAGGGGCATTTTGA
ATCAACCAAGGCCAGGGACATCCCTGTGGTCATTGATGCGGACGGCCTGTGGCTCGTTGCTCAGCAGCCA
GCCCTCATCCATAGTTACCACAAGGCCATTCTACCCCCAACCCAGTGGAGTTCAGCAGACTCTGGGAAG
CTGTGCTCAGTAGTCCTATGGACAGCAACGATCTCAAGGGCTCCACACTGAAGCTCAGCAGGCCCTGGG
GAACATCACAGTGGTCCAGAAAGGAGAGCAGGACCTGATCTCCAATGGCCAGCAGGTGCTTGTGTAAAC
CAAGAAGGCAGCAGTCGAGGTGTGGCGGCAAGGCGATCTCCTGTGAGGCTCCCTGGGTGTCATGGTGC
ACTGGGCCCTCCGTGCTGGACCAGAGAAAACAAATGGCTCCAGCCCACTCCTGGTGGCTGCCTGGGGCGC
CTGCACACTCACAAGGGAGTGTAAACCGCAGGCCCTCCAGAAAGTACGGGCGCTCTACAACCACTACCGAC
ATGATCACAGAGGTAGGAACTGCCTTCAGCAGGCTCTTCAGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Ascl-MluI
ACCN: NM_026995



Insert Size:	1098 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:	<ol style="list-style-type: none">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:	<u>NM_026995.4, NP_081271.2</u>
RefSeq Size:	1382 bp
RefSeq ORF:	1098 bp
Locus ID:	69225
UniProt ID:	<u>Q9CZ42</u>
Cytogenetics:	8 A1.1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>