

Product datasheet for **MC210768**

Nadk2 (NM_001040395) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nadk2 (NM_001040395) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nadk2
Synonyms: MNADK; Nadkd1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210768 representing NM_001040395
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTTGCTACCGGGGCTTCTGCTGGGCAGCTGCCGGCGCTGGCGGGTGGCCGCGGGCTCTGCGGG
GTTCCGGGCTCGGGCGGACGGCCGGCGGCACTGGGGCACGGGACCCGCGGAGCTGGCGGGCGGTGG
TAGCCCCGCCGACGGCGGCTTCCGCCCTCGCGGGTGGTGGTGGCGAAAACACCCGCTACGAGTTC
GAGCAGCAGCGGTACCGCTACGCGGAGCTCTCGGAGGAGGACCTGAAGCAGCTGCTTGCAATGAAAGGCT
CGAGCTACAGTGGACTACTTGAGCGACATCATATTCACACCAAAAATGTAGAACACATAATTGATAGTTT
ACGGGATGAAGGGATTGAGGTTTCGCTGGTCAAGCGGAGGGAGTACGATGAAGAGACAGTTTCGATGGGCA
GACGCTGTATAGCTGCGGGAGGTGATGGCAGCATGCTTCTGGCTGCGAGTAAAGTCTGGACAGACTTA
AACCTGTCAATGGGGTCAACTGATCCGGAACGGTCTGAAGTCACTTATGTCTGCCTGTGCGATACAC
GCATTCCTTCCCTGAAGCCTTACGGAGTTCTCTCGTGGTGGTTCAGGTGGTGTGGAGGCAGCGGATC
AGGTTATATCTGGAAGGGACTGGCATAAACCCCACTCCCGTGGACCTTACGAACAGCAGCTGAGCTTGA
ATCAGCACAGCCGAGCCTTAAACATCGAAAGAGCGCAGATGAAAGGTCGGAGGCGTCAGGCGCTCAGT
TCTGCCGGTGAGAGCGCTCAATGAAGTCTTATTGGGGAGAGCCTGTATCCAGGGCTTCCACTATGAA
ATTTCACTGATGACGGCCCATGGGAGAAGCAGAAGAGCTCAGGGCTCAATTTGTGCACTGGGACAGGAT
CGAAGGCTGGTCAATATTAACAGGGTTCAGCGCAGGCTGTTGAAGATGTTTTACATATTGCAAG
ACGACAAGGAAATCTGACTCTTCCATTGAACAAAGACTTGGTAGAAAAAGTGACAAACGAATATAACGAA
TCATTGCTCTACAGTCCAGAAGAACCAAAAATACTTTTCAGTATTCGAGAGCCAATAGCAAAACAGAGTTT
TCTCCAGCAGCCGTCAGCGTTGTTTCTCTCCAAAGTTTGTGTTCTCGATGTTGGGATGCCTGCAT
GGTTGTGGATGGAGGAACGTCTTTGAGTTTAAACGACGGAGCAATTGCTTCAATGATGATCAATAAAGAA
GATGAGCTTCGAAGTGTATTCTAGAGCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001040395
Insert Size:	1293 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_001040395.4</u> , <u>NP_001035485.2</u>
RefSeq Size:	3674 bp
RefSeq ORF:	1293 bp
Locus ID:	68646
UniProt ID:	<u>Q8C5H8</u>
Cytogenetics:	15 A1
Gene Summary:	<p>Mitochondrial NAD(+) kinase that phosphorylates NAD(+) to yield NADP(+). Can use both ATP or inorganic polyphosphate as the phosphoryl donor (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the central coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.</p>