

Product datasheet for **MC227506**

Nadk2 (NM_001286255) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nadk2 (NM_001286255) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nadk2
Synonyms:	MNADK; Nadkd1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC227506 representing NM_001286255 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTTGCTACCGGGCTTCTGCTGGGCAGCTGCCGGCGCGTGGCGGGTGGCCGCGGGCTCTGCGGG
GTTGCGGCTCGGGCGGGACGGCCGGCGGCACTGGGGCACGGGCAGCCGCGGAGCTGGCGGGCGGTGG
TAGCCCCCGGACGGCGGCTTCCGCCCTCGCGGGTGGTGGTGGCGAAAACCACCCGCTACGAGTTC
GAGCAGCAGCGGTACCGCTACCGGAGCTCTCGGAGGAGACCTGAAGCAGCTGCTTGCAATTGAAAGGCT
CGAGCTACAGTGGACTACTTGAGCGACATCATATTCACACAAAAATGTAGAACACATAATTGATAGTTT
ACGGGATGAAGGATTGAGGTTTCGCTGGTCAAGCGGAGGGAGTACGATGAAGAGACAGTTCGATGGGCA
GACGCTGTATAGCTGCGGGAGGTGATGGCAGATGCTTCTGGCTGCGAGTAAAGTCTGGACAGACTTA
AACCTGTCAATTGGGGTCAACTGATCCGGAACGGTGGTGTGGAGGCAGCGGATCAGGTTATATCTGGA
AGGGACTGGCATAAAACCCACTCCCGTGGACCTCACGAACAGCAGCTGAGCTTGAATCAGCACAGCCGA
GCCTTTAACATCGAAAGAGCGCACGATGAAAGGTCGGAGGCGTCAGGGCCTCAGCTTCTGCCGTTGAGAG
CGCTCAATGAAGTCTTCAATTGGGGAGAGCCTGTATCCAGGGCTTCTACTATGAAATTTAGTCGATGA
CGGCCCCATGGGAGAAGCAGAAGAGCTCAGGGCTCAATTTGTGCACTGGGACAGGATCGAAGGCCTGGTCA
TTCAATATTAACAGGGTTGCAGCGCAGGCTGTTGAAGATGTTTTACATATTGCAAGCAGACAAGGAAATC
TGACTCTTCCATTGAACAAAGACTTGGTAGAAAAAGTGACAAACGAATATAACGAATCATTGCTCTACAG
TCCAGAAGAACAAAAAATACTTTTCAGTATTTCGAGAGCCAATAGCAAACAGAGTTTTCTCCAGCAGCCGT
CAGCGTTGTTTCTCTTCCAAAGTTTGTGTTCTCGATGTTGGGATGCCTGCATGTTGTGGATGGAG
GAACGCTTTTGAAGTTTAAACGACGGAGCAATTGCTTCAATGATGATCAATAAAGAAGATGAGCTTCAAC
TGTGATTCTAGAGCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001286255
Insert Size:	1209 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001286255.1, NP_001273184.1</u>
RefSeq Size:	3590 bp
RefSeq ORF:	1209 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 (4) lacks two in-frame exons in the central coding region, compared to variant 1. The encoded isoform (4) is shorter, compared to isoform 1.</p>