

## Product datasheet for **SC331234**

### NADK (NM\_001198993) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NADK (NM\_001198993) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** NADK  
**Synonyms:** dj283E3.1  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331234 representing NM\_001198993.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGAATGGAACAAGAAAAATGACCATGAATAAGGAATTGAGTCCAGACGCGGCTGCTTACTGCTGC
TCGGCCTGCCACGGGATGAGACCTGGAGTTACAACACCCCATCCGGGGCCGGGCAAGTCTCGCAGC
CTGTCTGCCTCGCCCGCCTGGGGAGCACCAAGGAGTTCAGGAGGACACGCTCTTTCATGGGCCATGC
CCGGTGACCACTTTGGACCAAGGCCTGTGTGCTGCAGAACCCCGACCATCATGCACATTGAGGAC
CCCGCAGCCAGCGGCTGACGTGGAACAAGTCCCAAGAGCGTCTTGTATCAAGAAGATGAGAGAT
GCCAGCCTACTGCAGCCGTTCAAGGAGCTGTCACGCACCTCATGGAGGAGAACATGATCGTGTATGTG
GAAAAGAAAGTGCTAGAAGACCCGCCATCGCCAGCGATGAAAGCTTTGGGGCAGTGAAGAAGAAATTC
TGTACCTTTGAGAAGATTATGATGACATTTCCAATCAGATAGACTTCATCATCTGCCTGGGGGAGAC
GGGACGCTGCTGTACGCTTCTCGCTTTCCAGGGCAGCGTCCCTCCGGTTCATGGCCTTCCACCTGGGC
TCCCTGGGCTTCTGACCCATTGAGCTTTGAGAACTTTCAGTCCCAAGTTACTCAGGTGATAGAGGGG
AACGCAGCTGTTGTTCTCCGGAGTCGGCTGAAGGTGAGGTGGTGAAGGAGCTCCGGGGGAAGAAGACG
GCCATGCAGTACCAGTCTGAATGAGGTGGTATTGACAGAGGCCCTCCTCCTACCTGTCCAATGTG
GATGTCTACCTGGACGGACACCTCATCACCACGGTGCAGGGCGACGGAGTATCGTGTCCACCCCGACG
GGCAGCACGGCGTATGCGGCCGCGCCGGGCTCCATGATCCACCCCAACGTGCCGGCCATCATGATC
ACGCCATCTGCCCCACTCGCTGTCTTCCGGCCATCGTGGTCCCGCAGGGTTCGAGCTGAAGATC
ATGCTGTACCTGAAGCAAGGAACACAGCATGGGTGTCCTTTGATGGACGGAAGAGACAAGAGATCCGC
CATGGAGACAGCATCAGCATCACTACCTCATGCTACCCGCTCCCTCCATCTGTGTGCGGGACCCCGTG
AGCGACTGTTTGGAGAGCCTCGCCAGTGCCTGCATTGGAACGTCCGGAAGAAGCAAGCCCACTTCGAG
GAGGAGGAGGAGGAGGAGGAGGGCTAG
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001198993  
**Insert Size:** 1341 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001198993.1</a>
<b>RefSeq Size:</b>	3175 bp
<b>RefSeq ORF:</b>	1341 bp
<b>Locus ID:</b>	65220
<b>UniProt ID:</b>	<a href="#">O95544</a>
<b>Cytogenetics:</b>	1p36.33
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Metabolic pathways, Nicotinate and nicotinamide metabolism
<b>MW:</b>	49.2 kDa
<b>Gene Summary:</b>	<p>NADK catalyzes the transfer of a phosphate group from ATP to NAD to generate NADP, which in its reduced form acts as an electron donor for biosynthetic reactions (Lerner et al., 2001 [PubMed 11594753]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (2) has an alternate 5' UTR compared to variant 1. Variants 1, 2 and 5 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>