

Product datasheet for SC335205

C5ORF33 (NADK2) (NM_001287341) Human Untagged Clone

Product data:

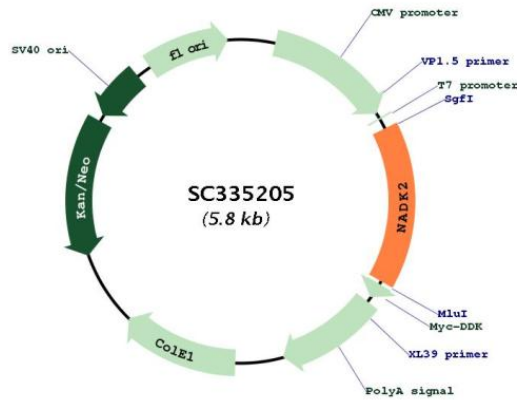
Product Type:	Expression Plasmids
Product Name:	C5ORF33 (NADK2) (NM_001287341) Human Untagged Clone
Tag:	Tag Free
Symbol:	NADK2
Synonyms:	C5orf33; DECRD; MNADK; NADKD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335205 representing NM_001287341. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGCTGGCAGCGAGTAAAGTCTTGGACAGACTTAAACCAGTTATAGGGGTAAACACTGATCCAGAA
CGGTCTGAGGGTCATTTATGCCTGCCCGTTTCGATATACACATTCCTTTCCAGAAGCCTTACAGAAGTTC
TATCGTGGTGAGTTCAGGTGGTGTGGAGGCAGAGAATCAGGTTATACCTTGAAGGGACTGGCATAAAC
CCTGTACCTGTGGACCTTCACGAGCAGCAGCTAAGCTTGAATCAGCACAATAGAGCCCTAACATTGAA
AGAGCTCATGATGAAAGGTCTGAGGCTTCAGGACCCCACTTCTGCCAGTGAGAGCACTAAATGAAGTC
TTCATTGGGAGAGTCTGTCATCCAGAATGTCTTATTCTTGGGCTGTAGCAGTGGACAATTAAGAAGA
AGTATACCCACTCTAAAGGGACTGGCTTCTACTATGAGATTTTCAGTTGATGATGGTCCATGGGAAAAA
CAGAAGAGTTCAGGGCTCAATTTGTGTACTGGAACAGGATCAAAGGCCTGGTCATTCAATATTAACAGG
GTTGCAACTCAGGCTGTAGAAGATGTTTTAAATATTGCAAAACGACAAGGAAATTTGAGTCTTCCATTG
AACAGAGAATTTGAGAGAAAGTAAACAATGAATATAATGAATCACTGCTCTACAGTCCGGAAGAACCA
AAAATACTTTTCAGTATTCGAGAACCAATAGCAAAATAGAGTTTTCTCAAGCAGTCGTGAGCGTTGTTTT
TCCTCAAAGGTTTGTGTTTCGTTCTCGTTGTTGGGATGCCTGTATGGTTGTGGATGGAGGAACTTCTTTT
GAGTTTAAATGATGGTGAATTGCTTCGATGATGATCAATAAAGAAGATGAGCTTCGAACGTGCTTCTT
GAACAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCCGGC
```

Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:


ACCN: NM_001287341

Insert Size: 906 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.

RefSeq: [NM_001287341.1](#)

RefSeq Size: 3847 bp

RefSeq ORF: 906 bp

Locus ID: 133686

UniProt ID: [Q4G0N4](#)

Cytogenetics: 5p13.2

MW: 34.2 kDa

Gene Summary: This gene encodes a mitochondrial kinase that catalyzes the phosphorylation of NAD to yield NADP. Mutations in this gene result in 2,4-dienoyl-CoA reductase deficiency. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]
Transcript Variant: This variant (4) differs in its 5' UTR, initiates translation at a downstream start codon, and contains an alternate in-frame exon in the central coding region, compared to variant 1. The encoded isoform (3) is shorter, compared to isoform 1.