

Product datasheet for **SC335018**

C5ORF33 (NADK2) (NM_001287340) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C5ORF33 (NADK2) (NM_001287340) 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:	>NCBI ORF sequence for NM_001287340, the custom clone sequence may differ by one or more nucleotides

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ATGCTGCTGGCAGCGAGTAAAGTCTTGGACAGACTTAAACCAGTTATAGGGGTAAACACTGATCCAGAAC
GGTCTGAGGGTCATTTATGCCTGCCCGTTCGATATACACATTCCTTTCCAGAAGCCTTACAGAAGTTCTA
TCGTGGTGAGTTCAGGTGGTGTGGAGGCAGAGAATCAGGTTATACCTTGAAGGGACTGGCATAAACCCCT
GTACCTGTGGACCTTCACGAGCAGCAGCTAAGCTTGAATCAGCACAATAGAGCCCTTAACATTGAAAGAG
CTCATGATGAAAGGTCTGAGGCTTCAGGACCCCAACTTCTGCCAGTGAGAGCACTAAATGAAGTCTTCAT
TGGGGAGAGTCTGTCATCCAGGGCTTCTACTATGAGATTTAGTTGATGATGGTCCATGGGAAAAACAG
AAGAGTTCAGGGCTCAATTTGTGTACTGGAACAGGATCAAAGGCCTGGTCATTCAATATTAACAGGGTTG
CAACTCAGGCTGTAGAAGATGTTTTAAATATTGCAAAACGACAAGGAAATTTGAGTCTTCCATTGAACAG
AGAATTGGTAGAGAAAGTAAACAATGAATATAATGAATCACTGCTCTACAGTCCGGAAGAACCAAAAATA
CTTTTCAGTATTCGAGAACCAATAGCAAAATAGAGTTTTCTCAAGCAGTCGTGAGGTTGTTTCTCCTCAA
AGGTTTGTGTTCTCGTTGTTGGGATGCCTGTATGGTTGTGGATGGAGGAACCTTTTTGAGTTTAA
TGATGGTGAATTGCTTCGATGATGATCAATAAAGAAGATGAGCTTCAACTGTGCTTCTTGAACAGTGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001287340
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).



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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_001287340.1, NP_001274269.1</u>
RefSeq Size:	3630 bp
RefSeq ORF:	840 bp
Locus ID:	133686
UniProt ID:	<u>Q4G0N4</u>
Cytogenetics:	5p13.2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in its 5' UTR and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1. Both variants 2 and 3 encode the same isoform.</p>