

Product datasheet for **SC122808**

NDOR1 (NM_014434) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDOR1 (NM_014434) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDOR1
Synonyms:	bA350O14.9; CIAE1; NR1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_014434 edited
CTGCCCTTAGTTTTTAGTCTCAGACCAGACCACCGGGCGCACCCCGATGCCGAGCCCGC
AGCTTCTGGTGCTCTTCGGCAGCCAGACAGGCACGGCTCAGGATGTGTGGAGAGACTGG
GTCGCGAGGCCCGGGCCGGCGGCTTGGCTGCCGGGTGCAGGCCCTGGACTCCTACCCGG
TGGTGAATCTGATTAACGAGCCCTGGTGATATTTGTTTGTGCAACTACAGGCCAAGGAG
ACCCCCCTGACAACATGAAGAATTCTGGAGTTTATATTCGGAAGAACCTGCCCTCCA
CTGCCCTGTGCAGATGGACTTTGCCGCTCTGGGCTCGGGGACTCCTCATAACGCCAAGT
TCAACTTCGTGGCCAAGAAGCTGCACCGACGGCTACTGCAGCTTGGGGGAGCGCCCTCC
TGCCCGTGTGCCTGGCGATGACCAGCATGAGCTGGGGCCGACGCTGCTGTGGACCCCT
GGCTGCGAGACTTGTGGGACAGGGTTCTGGGGTGTACCCGCGCCTCCGGGCTCACTG
AGATCCCTCCCGAGTCCCTGCCCTCCAAGTTCACCTGCTGTTCTCCAAGAGGCAC
CCAGCACGGGCTCTGAGGGGAGCGGTAGCTACCCCGGCTCTCAGGAGCCCCGTCAG
AGTCGAAGCCCTTCTAGACCCATGATCTCAACCAGAGAGTACCGGCCCTCCCACT
TCCAGGACGTTCCGGCTGATTGAGTTTGACATCTGGGCTCTGGCATCAGCTTTGCTGCTG
GTGATGTGGTGCTGATTCAGCCCTCCAACCTCGGCTGCCATGTCCAGCGTTCTGCCAGG
TGCTGGGCTGGACCCTGACCAGCTTTCATGCTGCAGCCGCGGAGCCAGATGTCTCCT
CCCCACGAGGCTGCCACGCCCTGCTCCATGCGGCACCTCGTGTCCACTACCTGGACA
TCGCCAGCGTGCCTCGCCGCTCCTTCTCGAACTCCTGGCCTGTCTATCCCTCCATGAGC
TGGAGCGGGAGAAGCTGTGGAGTTCAGTTCTGCCAAGGCCAGGAGGAGCTCTTTGAAT
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CCGCCATCCCTCCGACTACCTGTTGGACTCATCCCCGTTATCCGGCCGAGGGCCTTCT
CCATCGCCTCCTCGTGTGACTCACCCCTCACGGCTGCAGATCCTCGTGGCTGTAGTGC
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TGGACCCTGGGCAAGGACCTGTCCGGGTGCCCTCTGGTGGGCTGGGAGTCTGGCCT
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TCCGAGCAGCCATCCAGGAGCGTGTGGCCAGGGCCAGACTGGAACCTTCTGTTTTTTG
GCTGCCGCTGGCGGGACCAAGACTTCTACTGGGAGGCTGAGTGGCAGGAGCTGGAGAAGC
GGGACTGTCTGACCCTCATCCCTGCCTTCTCCCGGAACAGGAGCAGAAAATATATGTGC
AGCACCGGCTCCGGGAGCTGGGGTCGTTGTGTGGAACTGCTGGACCGCCAGGGTGCAT
ACTTCTACCTGGCAGGCAACGCCAAGTCCATGCCAGCGGACGTCTCGGAAGCCCTGATGT
CCATCTTCCAGGAGGAGGTGGACTCTGCAGCCCGGACGCAGCCGCTATCTAGCCAGGC
TCCAGCAGACACGGCGCTTCCAGACAGAGACGTGGGCTGAGGCCCGCGGCTGCCCGTGC
CCCTCTGACAGCCATCCTCCTGGGAGCCAGGAAGGCATCCACGAGGGAGCTCCTGGCC
AGCAGCCGTCATCCTCTCGGACCAGCCAGCTGGTCTCTGGGAACAGCCAGCTCCCGAGC
ACAGCCGCACTCCTGTTGACCCTGGATCCCACCCTTTGAGCCTGACCCCACTGCAGCCTC
TGCCAGCCAGCCCTGCGCTCCCCACCCTGACAGTGAGCTGTGCTCCTCGTCCCCCACC
CCCTTCCAGTCAAGGTGGTGGCTGGGCGCTCCACCTACCCGGTGCAGTGACCCAGGA
CGGCATCAGCAGCCAGTGAGCACCAGGGTGGCATAGGGCACCATGAGGCTGCGTGC
ACTCCTCTGCCCTGGGGCCACCTCGGCTGCTGCAGCCTGCCAGCAGCACATTCCAGTCA
CTGCCCCGCACTCCACAGGGCTCAGGCTGGGCTCAGAGGCCACTGAGATGCCAGCTCC
TTGAGAGCAGTGGGGTGTCCCAGGCCAGAGCAGCCTTCTCCTCCTGGTCCCAGAAAA
ACCCTTGAGTAAATGGTGGCCTCTGGGTGGTAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014434 unedited NNGGATGTCACATATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCTG CCTTCTAGTTTTTAGTCTCATACCAGACCACGGGCGCACCCCGATGCCGAGCCCGCAGC TTCTGGTGCTCTTCGGCAGCCAGACAGGCACGGCTCATGATGTGTCGGAGAGACTGGGTC GCGAGGCCCGGCGCCGGCGGCTTGGCTGCCGGTGCAGGCCCTGGACTCCTACCCGGTGG TGAATCTGATTAACGAGCCCTGGTGATATTTGTTTGTGCAACTACAGGCCAAGGAGACC CCCTGTACAACATGAAGAACTTCTGGAGTTTATATTCCGGAAGAACCTGCCCTCCACTG CCCTCTGTCAGATGGACTTTGCCGTCTGGGCCTCGGGGACTCCTCATACGCCAAGTTCA ACTTCGTGGCCAAGAAGCTGCACCGACGGCTACTGCAGCTTGGGGCAGCGCCCTCTGC CCGTGTGCTGGGCGATGACCAGCATGAGCTGGGGCCGACGCTGCTGTGGACCCCTGGC TGCGAGACTTGTGGGACAGGGTCTGGGGCTGTACCCGCCGCTCCGGGCCTCACTGAGA TCCCTCCCGGAGTCCCTGCCCTCCAAGTTCACCCTGCTGTTCCCTCAAGAGGCACCCA GCACGGGCTCTGAGGGCAGCGGTAGCTACCCCGGCTCTCATGAGCCCCCGTCAGAGT CGAAGCCCTTCTAGCACCCATGATCTCAACCAGAGAGTACCAGGGCCCTCCACTTNC CAGGACGTCGGCTGATTGAGTTTACATCTTGGGCTCTGGCATCAGCTTTGCTGCTGGTG ATGTGGTCTGATTACAGCTNCAACTCGGCTGCCATGTCCAGCGNTNCTGCCAGTGCTG
Restriction Sites:	Please inquire
ACCN:	NM_014434
Insert Size:	2477 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:	NM_014434.1 , NP_055249.1
RefSeq Size:	2487 bp
RefSeq ORF:	1794 bp
Locus ID:	27158
UniProt ID:	Q9UHB4
Cytogenetics:	9q34.3

Gene Summary:

This gene encodes an NADPH-dependent diflavin reductase that contains both flavin mononucleotide (FMN) and flavin adenine dinucleotide (FAD) binding domains. The encoded protein catalyzes the transfer of electrons from NADPH through FAD and FMN cofactors to potential redox partners. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2012]

Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform b) compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.