

Product datasheet for **SC326093**

NDOR1 (NM_001144028) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDOR1 (NM_001144028) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDOR1
Synonyms:	bA350O14.9; CIAE1; NR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

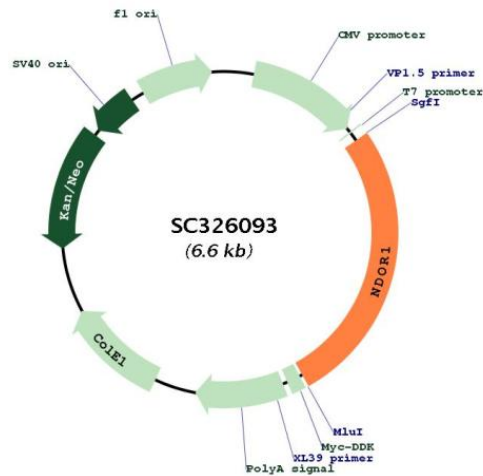


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Fully Sequenced ORF: >SC326093 representing NM_001144028.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCGAGCCCGCAGCTTCTGGTGCTCTTCGGCAGCCAGACAGGCACGGCTCAGGATGTGTGGAGAGA
CTGGGTCGCGAGGCCCGGCCCGCGGGCTTGGCTGCCGGTGCAGGCCCTGGACTCTACCCGGTGGTG
AATCTGATTAACGAGCCCTGGTGATATTTGTTTGTGCAACTACAGGCCAAGGAGACCCCTGACAAC
ATGAAGAACTTCTGGAGTTTATATTCCGGAAGAACCTGCCCTCCACTGCCCTCTGTGAGATGGACTTT
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CCCAGCACGGGCTCTGAGGGCAGCGGGTAGCTCACCCGGCTCTCAGGAGCCCCGTGAGAGTGAAG
CCCTTCTAGCACCCATGATCTCAACCCAGAGAGTCAACCCGGCTCTCCACTTCCAGGACGTTGGCTG
ATTGAGTTTGACATCTTGGGCTCTGGCATCAGCTTTGCTGCTGGTGATGTGGTGCTGATTAGCCCTCC
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GCCATCCAGGAGCGTGTGGCCAGGGCCAGACTGGAACTTCTTGTTTTTTGGCTGCCGCTGGGGGAC
CAAGACTTCTACTGGGAGGCTGAGTGGCAGGAGCTGGAGAAGCGGGACTGTGACCCTCATCCCTGCC
TTCTCCCGGAACAGGAGCAGAAAGTATATGTGCAGCACCGGCTCCGGGAGCTGGGGTGGCTGTGTGG
GAACTGCTGGACCGCCAGGGTGCATACTTCTACCTGGCAGGCAACGCCAAGTCCATGCCAGCGGACGTC
TCGGAAGCCCTGATGTCCATCTCCAGGAGGAGGGTGGACTCTGCAGCCCGACGCAGCCGCTATCTA
GCCAGGCTCCAGCAGACCGGCTTCCAGACAGAGAGCTGGGCC TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001144028

Insert Size: 1773 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001144028.2](#)

RefSeq Size: 4829 bp

RefSeq ORF: 1773 bp

Locus ID: 27158

UniProt ID: [Q9UHB4](#)

Cytogenetics: 9q34.3

MW: 65.9 kDa

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 (3) has multiple differences in the coding region but maintains the reading frame, compared to variant 1. This variant encodes isoform c, which is shorter than 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.