

Product datasheet for **SC332571**

Ferredoxin Reductase (FDXR) (NM_001258016) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ferredoxin Reductase (FDXR) (NM_001258016) Human Untagged Clone
Tag: Tag Free
Symbol: Ferredoxin Reductase
Synonyms: ADR; ADXR; ANOA
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332571 representing NM_001258016.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAAGATAAGGACAGAGAGCACCCCCAGGCCACGTGGACATCTACGAGAAACAGCCTGTGCCCTTT
GGCCTGGTGCCTTTGGTGTGGCGCTGATCACCCGAGGTGAAGAATGCATCAACACATTTACCCAG
ACGGCCATTCTGGCCGCTGTGCCTTCTGGGGCAACGTGGAGGTGGCAGGGACGTGACGGTGCCGGAG
CTGCGGGAGGCCCTACCACGCTGTGGTGTGAGCTACGGGGCAGAGGACCATCGGGCCCTGAAAATCCT
GGTGAGGAGCTGCCAGGTGTGTGCTCCGCCGGCCCTTCGTGGGTGGTACAACGGGCTTCTGAGAAC
CAGGAGCTGGAGCCAGACCTGAGCTGTGACACAGCCGTGATTCTGGGGCAGGGGAACGTGGCTCTGGAC
GTGGCCCGCATCCTACTGACCCACCTGAGCACCTGGAGAGAACGGACATCACGAAGGCAGCCCTGGGT
GACTGAGGCAGAGTCGAGTGAAGACAGTGTGGCTAGTGGGCCGGCGTGGACCCCTGCAAGTGGCCCTC
ACCATTAAGGAGCTTCGGGAGATGATTCAGTTACCGGGAGCCCGCCATTTTGGATCCTGTGGATTTTC
TTGGGTCTCCAGGACAAGATCAAGGAGGTCCCCCGCCGAGGAAGCGGCTGACGGAAGTGTGCTTCGA
ACGGCCACAGAGAAGCCAGGGCCGGCGGAAGCTGCCCGCCAGGCATCGGCCTCCCGTGCCTGGGGCCTC
CGCTTTTCCGAAGCCCCAGCAGGTGCTGCCCTCACCAGATGGCGGGCCGGCAGCAGGTGTCCGCCTA
GCAGTCACTAGACTGGAGGTGTGATGAGGCCACCCGTGAGTGCACGGGAGACATGGAAGACCTC
CCTTGTGGGTGGTGTCTCAGCAGCATTGGGTATAAGAGCCGCCCTGTCGACCCAAAGCGTGCCCTTTGAC
TCCAAGCTTGGGTGTCATCCCAATGTGGAGGGCCGGGTTATGGATGTGCCAGGCCTCTACTGCAGCGGC
TGGGTGAAGAGAGGACCTACAGGTGTGATAGCCACAACCATGACTGACAGCTTCTCACCAGCCAGATG
CTGCTGCAGGACCTGAAGGCTGGGTTGCTCCCCTCTGGCCCCAGGCCTGGCTACGCAGCCATCCAGGCC
CTGCTCAGCAGCCGAGGGTCCGGCCAGTCTTTTCTCAGACTGGGAGAAGCTGGATGCCAGGAGGTG
GCCCGGGCCAGGGCACGGGAAGCCAGGAGAAGCTGGTGGATCCTCAGGAGATGCTGCGCCTCTG
GGCCACTGA
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Restriction Sites: SgfI-MluI
ACCN: NM_001258016
Insert Size: 1320 bp



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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_001258016.1
RefSeq Size:	1845 bp
RefSeq ORF:	1320 bp
Locus ID:	2232
UniProt ID:	P22570
Cytogenetics:	17q25.1
Protein Families:	Druggable Genome
MW:	48.1 kDa
Gene Summary:	<p>This gene encodes a mitochondrial flavoprotein that initiates electron transport for cytochromes P450 receiving electrons from NADPH. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Apr 2012]</p> <p>Transcript Variant: This variant (7) differs in the 5' UTR and 5' coding region, compared to variant 1. The resulting isoform (7) has a shorter and distinct N-terminus, compared to 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>