

Product datasheet for **SC332568**

Ferredoxin Reductase (FDXR) (NM_001258013) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ferredoxin Reductase (FDXR) (NM_001258013) Human Untagged Clone
Tag: Tag Free
Symbol: Ferredoxin Reductase
Synonyms: ADR; ADXR; ANOA
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332568 representing NM_001258013.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCTTCGCGCTGCTGGCGCTGGTGGGGCTGGTGGCGTGGCCTCGGACCCGGCTGCCTCCCGCCGGG
AGCACCCCGACCTTTGGGGTTCAGATGAAGTAAGAGACCCTGCAAATGCCAAAGCCTTGAGGAACAAG
AGAAGGAGGATGCAGGTGAGGGTGAAGCTTGGGAAGTTCAGCTTCTGTTGGATATTCAGGAGAAGACC
CCCCAGATCTGTGTGGTGGCAGTGGCCAGCTGGCTTCTACACGGCCCAACACCTGCTAAAGCACCCC
CAGGCCACGTGGACATCTACGAGAAACAGCCTGTGCCCTTTGGCCTGGTGGCCTTTGGTGTGGCGCCT
GATCACCCGAGGTGAAGAATGTCATCAACACATTTACCCAGACGGCCATTCTGGCCGCTGTGCCTTC
TGGGGCAACGTGGAGGTGGCAGGGACGTGACGGTGGCCGAGCTGCGGGAGGCCTACCACGCTGTGGTG
CTGAGCTACGGGGCAGAGGACATCGGGCCCTGGAAATCCTGGTGGAGGCTGCCAGGTGTGTGTCTCC
GCCCCGGCCCTTCGTGGGCTGGTACAACGGGCTTCTGAGAACCAGGAGCTGGAGCCAGACCTGAGCTGT
GACACAGCCGTGATTCTGGGGCAGGGGAACGTGGCTCTGGACGTGGCCCGCATCTACTGACCCACCT
GAGCACCTGGAGAGAACGGACATCACGAAGGCAGCCCTGGGTGTACTGAGGCAGAGTCGAGTGAAGACA
GTGTGGCTAGTGGGCCGGCGTGGACCCCTGCAAGTGGCCTTACCATTAAAGGAGCTTCGGGAGATGATT
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ATAGCCACAACCATGACTGACAGCTTCTCACCAGCCAGATGCTGCTGCAGGACCTGAAGGCTGGGTTG
CTCCCCCTGGCCCCAGGCTGGCTACGAGCCATCCAGGCCCTGCTCAGCAGCCGAGGGTCCGGCCA
GTCTCTTTCTCAGACTGGGAGAAGCTGGATGCCGAGGAGTGGCCGGGGCCAGGGCACGGGAAGCC
AGGGAGAAGCTGGTGGATCCTCAGGAGATGCTGCGCCTCTGGGCCACTGA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001258013
Insert Size: 1569 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:	<u>NM_001258013.1</u>
RefSeq Size:	1993 bp
RefSeq ORF:	1569 bp
Locus ID:	2232
UniProt ID:	<u>P22570</u>
Cytogenetics:	17q25.1
Protein Families:	Druggable Genome
MW:	57.4 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 (4) has a longer and alternate segment in the 5' coding region, compared to variant 1. The resulting isoform (4) is longer than 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>