

## Product datasheet for **SC332567**

### Ferredoxin Reductase (FDXR) (NM\_001258012) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ferredoxin Reductase (FDXR) (NM\_001258012) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ferredoxin Reductase  
**Synonyms:** ADR; ADXR; ANOA  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332567 representing NM\_001258012.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCTTCGCGCTGCTGGCGCTGGTGGGGCTGGTGGCGTGGCCTCGGACCCGGTGCCTCCCGCCGGG
AGCACCCCGAGCTTCTGCCACCATTTCTCCACACAGGAGAAGACCCCCAGATCTGTGTGGTGGGCAGT
GGCCAGCTGGCTTCTACACGGCCCAACACCTGCTAAAGAGGGTGAAGCCTTGTGTTCTCAGCCAGG
GTCCTGAACTCTCTGCTGTCTGGGGAAGGGGAGGACCTGGGGCGTCCCAGCCTCTCTCTCAGC
CCCACCAGCTGCCACCCTGTTCCCCAGCAGCACCCCCAGGCCACGTGGACATCTACGAGAAACAGCCT
GTGCCCTTTGGCCTGGTGGCCTTTGGTGTGGCGCCTGATCACCCGAGGTGAAGAATGTCATCAACACA
TTTACCCAGACGGCCATTCTGGCCGCTGTGCCTTCTGGGCAACGTGGAGGTGGCAGGGACGTGACG
GTGCCGGAGCTGCGGGAGGCCTACCACGCTGTGGTGTGAGCTACGGGGCAGAGGACCATCGGGCCCTG
GAAATTCCTGGTGAAGAGCTGCCAGGTGTGTGCTCCGCCCGGGCCTTCGTGGGCTGGTACAACGGCCTT
CCTGAGAACAGGAGCTGGAGCCAGACCTGAGCTGTGACACAGCCGTGATTCTGGGGCAGGGGAACGTG
GCTCTGGACGTGGCCCGCATCTACTGACCCACCTGAGCACCTGGAGAGAACGGACATCACGAAGGCA
GCCCTGGGTGACTGAGGCAGAGTCGAGTGAAGACAGTGTGGCTAGTGGCCGGCGTGGACCCCTGCAA
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GAAGACCTCCCTTGTGGGCTGGTGTCTCAGCAGCATTGGGTATAAGAGCCGCCCTGTGACCCAAAGCGTG
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TGCAGCGGCTGGGTGAAGAGAGGACCTACAGGTGTCATAGCCACAACCATGACTGACAGCTTCTCACC
GGCCAGATGCTGCTGCAGGACCTGAAGGCTGGGTTGCTCCCTCTGGCCCCAGGCCTGGCTACGCAGCC
ATCCAGGCCCTGCTCAGCAGCCAGGGTCCGGCCAGTCTCTTTCTCAGACTGGGAGAAGCTGGATGCC
GAGGAGGTGGCCCGGGCCAGGGCACGGGAAGCCAGGGAAGCTGGTGGATCCTCAGGAGATGCTG
CGCCTCCTGGGCCACTGA
  
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001258012



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<b>Insert Size:</b>	1605 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001258012.1</a></u>
<b>RefSeq Size:</b>	2029 bp
<b>RefSeq ORF:</b>	1605 bp
<b>Locus ID:</b>	2232
<b>UniProt ID:</b>	<u><a href="#">P22570</a></u>
<b>Cytogenetics:</b>	17q25.1
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	58.3 kDa
<b>Gene Summary:</b>	<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 (3) has an in-frame additional segment in the coding region, compared to variant 1. The resulting isoform (3) 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>