

## Product datasheet for **SC309756**

### Ferredoxin Reductase (FDXR) (NM\_004110) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ferredoxin Reductase (FDXR) (NM_004110) Human Untagged Clone
Tag:	Tag Free
Symbol:	Ferredoxin Reductase
Synonyms:	ADR; ADXR; ANOA
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_004110 edited  
 CAGGTTGCTGTTCCCAGCCATGGCTTCGCGCTGCTGGCGCTGGTGGGGCTGGTCGGCGTG  
 GCCTCGGACCCGGCTGCCTCCCGCCGGGAGCACCCCGAGCTTCTGCCACCATTTCTCCAC  
 ACAGGAGAAGACCCCCAGATCTGTGTGGTGGGACAGTGGCCAGCTGGCTTCTACACGGC  
 CCAACACCTGTAAAGCACCCCAAGGCCACGTGGACATCTACGAGAAACAGCCTGTGCC  
 CTTTGGCCTGGTGCCTTTGGTGTGGCGCTGATCACCCCGAGGTGAAGAATGTCATCAA  
 CACATTTACCCAGACGGCCATTCTGGCGCTGTGCCTTCTGGGGCAACGTGGAGGTGGG  
 CAGGGACGTGACGGTGCCGGAGCTGCGGGAGCCCTACCACGCTGTGGTGCTGAGCTACGG  
 GGCAGAGGACCATCGGGCCCTGGAATTCTGGTGGAGGCTGCCAGGTGTGTGCTCCGC  
 CCGGGCCTTCGTGGGCTGGTACAACGGGCTTCTGAGAACCAGGAGCTGGAGCCAGACCT  
 GAGCTGTGACACAGCCGTGATTCTGGGGCAGGGGAACGTGGCTCTGGACGTGGCCCGAT  
 CCTACTGACCCACCTGAGCACCTGGAGGCCCTCTTTTGTGCCAGAGAACGGACATCAC  
 GAAGGCAGCCCTGGGTGTACTGAGGCAGAGTCGAGTGAAGACAGTGTGGCTAGTGGGCCG  
 GCGTGGACCCCTGCAAGTGGCCTTACCATTAAGGAGCTTCGGGAGATGATTCAATTACC  
 GGGAGCCCGGCCATTTTGGATCTGTGGATTTCTTGGGTCTCCAGGACAAGATCAAGGA  
 GGTCCCCCGCCGAGGAAGCGGCTGACGGAACCTGCTGCTTCAACGGCCACAGAGAAGCC  
 AGGGCCGGCGGAAGCTGCCCCAGGCATCGGCCCTCCCGTGCCTGGGGCCTCCGCTTTTT  
 CCGAAGCCCCAGCAGGTGCTGCCCTCACCAGATGGGCGGCGGGCAGCAGGTGTCCGCCT  
 AGCAGTCACTAGACTGGAGGGTGTGATGAGGCCACCCGTGCAGTGCCACGGGAGACAT  
 GGAAGACCTCCCTTGTGGGCTGGTGTGCTCAGCAGCATTGGGTATAAGAGCCGCCCTGTGCA  
 CCCAAGCGTGCCCTTTGACTCCAAGCTTGGGGTTCATCCCCAATGTGGAGGGCCGGGTTAT  
 GGATGTGCCAGGCCTCTACTGCAGCGGCTGGGTGAAGAGAGGACCTACAGGTGTCATAGC  
 CACAACCATGACTGACAGCTTCCCTCACCGGCCAGATGCTGCTGCAGGACCTGAAGGCTGG  
 GTTGCTCCCTCTGGCCCCAGGCCTGGCTACGCAGCCATCCAGGCCCTGCTCAGCAGCCG  
 AGGGGTCCGGCCAGTCTCTTTCTCAGACTGGGAGAAGCTGGATGCCGAGGAGGTGGCCCCG  
 GGGCCAGGGCACGGGAAGCCCAGGGAGAAGCTGGTGGATCCTCAGGAGATGCTGCGCCT  
 CCTGGGCCACTGAGCCCAGCCCCAGCCCCGGCCCCCAGCAGGGAAGGGATGAGTGTGGG  
 AGGGGAAGGGCTGGTCCGTCTGAGTGGGACTTTGCACCTCTGCTGATCCCGCCGGCCC  
 TGGCTTGGAGGCTTGGCTGCTTCCAGCGTCTCTCCTCCTCCTGGGGAAGGTCGCCCT  
 TGCGCGCAAGGTTTTAGCTTTCAGCAACTGAGGTAACCTTAGGGACAGGTGGAGGTGTGG  
 GCCGATTAACCCCTTACCATCTCTCTACTGCTGGACTGTGGAGGGTACCAGGTTGGG  
 AACATGCTGGAATAAAACAGCTGCAACCAAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM\_004110
- Insert Size:** 1900 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:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM\_004110.2.
- 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).

<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>	<a href="#">NM_004110.2</a> , <a href="#">NP_004101.1</a>
<b>RefSeq Size:</b>	1838 bp
<b>RefSeq ORF:</b>	1494 bp
<b>Locus ID:</b>	2232
<b>UniProt ID:</b>	<a href="#">P22570</a>
<b>Cytogenetics:</b>	17q25.1
<b>Protein Families:</b>	Druggable Genome
<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 (2) has an in-frame additional segment in the coding region, compared to variant 1. The resulting isoform (2) is longer than isoform 1.</p>