

Product datasheet for **SC319471**

Ferredoxin Reductase (FDXR) (NM_024417) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ferredoxin Reductase (FDXR) (NM_024417) Human Untagged Clone
Tag:	Tag Free
Symbol:	Ferredoxin Reductase
Synonyms:	ADR; ADXR; ANOA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024417.2
 CCAGTTGACAGGTTGCTGTTCCAGCCATGGCTTCGCGCTGCTGGCGCTGGTGGGGCTGGT
 CGGCGTGGCCTCGGACCCGGCTGCCTCCCGCCGGGAGCACCCGAGCTTCTGCCACCATT
 TCTCCACACAGGAGAAGACCCCCAGATCTGTGTGGTGGGCGAGTGGCCAGCTGGCTTCT
 ACACGGCCCAACACCTGCTAAAGCACCCAGCCACGTGGACATCTACGAGAAACAGC
 CTGTGCCCTTTGGCCTGGTGCCTTTGGTGTGGCGCTGATCACCCGAGGTGAAGAATG
 TCATCAACACATTTACCCAGACGGCCATTCTGGCCGCTGTGCCTTCTGGGGCAACGTGG
 AGGTGGGCAGGGACGTGACGGTGCAGGAGCTGCGGGAGGCTACCACGCTGTGGTGTGA
 GCTACGGGGCAGAGGACCATCGGGCCCTGGAAATTCCTGGTGAGGAGCTGCCAGGTGTGT
 GCTCCGCCCGGGCCTTCGTGGGCTGGTACAACGGGCTTCCTGAGAACCAGGAGCTGGAGC
 CAGACCTGAGCTGTGACACAGCCGTGATTCTGGGGCAGGGGAACGTGGCTCTGGACGTGG
 CCCGCATCTACTGACCCACCTGAGCACCTGGAGAGAACGGACATCACGAAGGCAGCCC
 TGGGTGTACTGAGGCAGAGTCGAGTGAAGACAGTGTGGCTAGTGGGCCGGCGTGGACCCC
 TGCAAGTGGCCTTCAACATTAAGGAGCTTCGGGAGATGATTACAGTTACCCGGGAGCCCGGC
 CCATTTTGGATCCTGTGGATTTCTTGGGTCTCCAGGACAAGATCAAGGAGTCCCCCGCC
 CGAGGAAGCGGCTGACGGAACCTGCTGCTTGAACGGCCACAGAGAAGCCAGGGCCGGCGG
 AAGCTGCCCGCCAGGCATCGGCCTCCCGTGCCTGGGGCCTCCGCTTTTTCCGAAGCCCC
 AGCAGGTGCTGCCCTACCAGATGGGCGGCGGGCAGCAGGTGTCCGCCTAGCAGTCACTA
 GACTGGAGGGTGTGATGAGGCCACCCGTGCAAGTGGCCACGGGAGACATGGAAGACCTCC
 CTTGTGGGCTGGTGTGTCAGCAGCATTGGGTATAAGAGCCGCCCTGTGACCCAAGCGTGC
 CCTTTGACTCAAAGCTTGGGGTTCATCCCAATGTGGAGGGCCGGGTTATGGATGTGCCAG
 GCCTCTACTGCAGCGGCTGGGTGAAGAGAGGACCTACAGGTGTCATAGCCACAACCATGA
 CTGACAGCTTCCCTCACCGCCAGATGCTGCTGCAGGACCTGAAGGCTGGGTTGCTCCCTC
 CTGGCCCCAGGCCTGGCTACGCAGCCATCCAGGCCCTGCTCAGCAGCCGAGGGGTCCGGC
 CAGTCTCTTTCTCAGACTGGGAGAAGCTGGATGCCGAGGAGGTGGCCCGGGGCCAGGGCA
 CGGGGAAGCCAGGGAGAAGCTGGTGGATCCTCAGGAGATGCTGCGCCTCCTGGGCCACT
 GAGCCCAGCCCCAGCCCCGGCCCCAGCAGGGAAGGGATGAGTGTGGGAGGGGAAGGGC
 TGGGTCCGTCTGAGTGGGACTTTGCACCTCTGCTGATCCCGGCCGGCCCTGGCTTGGAGG
 CTTGGTCTCTCTCAGCGTCTCTCCTCCCTCCTGGGGAAGGTCGCCCTTGCAGCAAGG
 TTTTAGCTTTAGCAACTGAGGTAACCTTAGGGACAGGTGGAGGTGTGGGCCGATCTAAC
 CCCTTACCCATCTCTACTGCTGGACTGTGGAGGTCACCAAGTTGGGAACATGCTGGA
 AATAAACAGCTGCAACCAAGAAA

Restriction Sites: Please inquire

ACCN: NM_024417

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_024417.2](#), [NP_077728.2](#)

RefSeq Size: 1918 bp

RefSeq ORF: 1476 bp

Locus ID: 2232

UniProt ID: [P22570](#)

Cytogenetics: 17q25.1

Protein Families: Druggable Genome

Gene Summary: 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]
Transcript Variant: This variant (1) represents the predominant transcript. It encodes 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.