

Product datasheet for **RC234139**

Ferredoxin Reductase (FDXR) (NM_001258015) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ferredoxin Reductase (FDXR) (NM_001258015) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ferredoxin Reductase
Synonyms:	ADR; ADXR; ANOA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC234139 representing NM_001258015
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTCGCGCTGCTGGCGCTGGTGGGCTGGTGGCGTGGCCTCGACCCGGCTGCCTCCCGCCGGGA
 GCACCCGAGCTTCTGCCACATTTCTCCACACAGGAGAAGACCCCCAGATCTGTGTGGTGGCAGTGG
 CCCAGCTGGCTTCTACACGGCCAAACACCTGCTAAAGCAGCACCCCCAGGCCACGTGGACATCTACGAG
 AAACAGCCTGTGCCCTTTGGCCTGGTGCCTTTGGTGTGGCGCCTGATCACCCGAGGTGAAGAGCTACG
 GGGCAGAGGACCATCGGGCCCTGGAAATTCCTGGTGAAGAGTGCAGGTGTGTGCTCCGCCGGCCCTT
 CGTGGGCTGGTACAACGGGCTTCTGAGAACCAGGAGCTGGAGCCAGACCTGAGCTGTGACACAGCCGTG
 ATTCTGGGGCAGGGGAACGTGGCTCTGGACGTGGCCGCATCCTACTGACCCACCTGAGCACCTGGAGA
 GAACGGACATCACGAAGCAGCCCTGGGTGTACTGAGGCAGAGTCGAGTGAAGACAGTGTGGCTAGTGGG
 CCGGCGTGGACCCCTGCAAGTGGCCTTACCATTAAAGGAGCTTCGGGAGATGATTAGTTACCGGGAGCC
 CGGCCATTTTGATCCTGTGGATTTCTTGGGTCTCCAGGACAAGATCAAGGAGGTCCCCCGCCGAGGA
 AGCGGCTGACGGAAGTGTGCTTGAACGGCCACAGAGAAGCCAGGGCCGGCGGAAGCTGCCCGCCAGGC
 ATCGGCCCTCCCGTGCCTGGGGCCTCCGCTTTTTCCGAAGCCCCAGCAGGTGCTGCCCTCACCAGATGGG
 CGGCGGGCAGCAGGTGTCCGCTAGCAGTCACTAGACTGGAGGTGTGATGAGGCCACCCGTGCAGTGC
 CCACGGGAGACATGGAAGACCTCCCTTGTGGGCTGGTGTCTCAGCAGCATTGGGTATAAGAGCCGCTGT
 CGACCAAGCGTGCCTTTGACTCCAAGCTTGGGTGATCCCAATGTGGAGGGCCGGGTATGGATGTG
 CCAGGCCCTACTGCAGCGGCTGGTGAAGAGAGACCTACAGGTGTGATAGCCACAACCATGACTGACA
 GCTTCTCACCGCCAGATGCTGCTGCAGGACCTGAAGGCTGGGTGCTCCCTCTGCCCCAGGCGCTGG
 CTACGCAGCCATCCAGGCCCTGCTCAGCAGCCGAGGGGTCCGGCCAGTCTTTCTCAGACTGGGAGAAG
 CTGGATGCCGAGGAGGTGGCCCGGGCCAGGCCAGGGGAAGCCAGGGAGAAGCTGGTGGATCCTCAGG
 AGATGCTGCGCTCCTGGCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>RC234139 representing NM_001258015
 Red=Cloning site Green=Tags(s)

MASRCRWWGWSAWPRTRLPPAGSTPSFCHHFSTQKTPQICVVGSGPAGFYTAQHLLKQHPQAHVDIYE
 KQPVPFGLVRFVAPDHPEVKSYPGAEDHRALEIPGEELPGVCSARAFVWYNGLPENQELEPDLSCDTAV
 ILGQGNVALDVARILLTPPEHLERTDITKAALGVLRSRVKTVWLVRGRPLQVAFTIKELREMIQLPGA
 RPILDPVDFLGLQDKIKEVPRPRKRLTELLLRATEKPGPAEAARQASASRAWGLRFFRSPQQVLPSPDG
 RRAAGVRLAVTRLEGVDEATRAVPTGDMEDLPCGLVLSIGYKSRPVDPSPFDSKLGVIPNVEGRVMDV
 PGLYCSGWVKGPTGVIATTMTDSFLTQMLLQDLKAGLLPSGPRPGYAAIQALLSSRGVRPVSFSDWEK
 LDAEEVARGQGTGKPREKLVDPQEMLRLLGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001258015

ORF Size: 1353 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001258015.3](#)

RefSeq Size: 1780 bp

RefSeq ORF: 1356 bp

Locus ID: 2232

UniProt ID: [P22570](#)

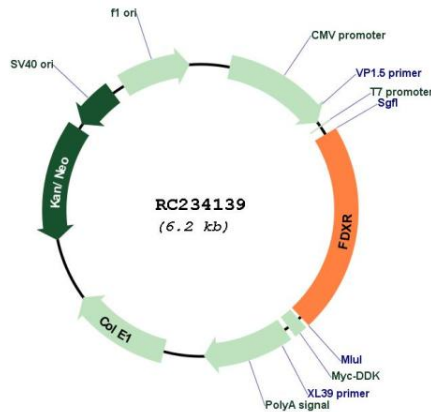
Cytogenetics: 17q25.1

Protein Families: Druggable Genome

MW: 49.9 kDa

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]

Product images:



Circular map for RC234139