

## Product datasheet for **RN207796**

### **Fdxr (NM\_024153) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fdxr (NM_024153) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fdxr
Synonyms:	AR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN207796 representing NM\_024153  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTCCTCGTCTGGCGCTGGTGGAGCTGGTCCGCGTGGCCTGGGGTTCGGCCGCTTCCTCCAGGA  
GCACTCCGACCCCTGGCTTCTGCAAGAAGTTCTCCACACAGGAGACAACCCCTCAGATCTGTGTGGTCGG  
CAGTGGCCAGCTGGCTTCTACACAGCCAACTTGTGAAGCACACACCCGGGCCACGTAGACATC  
TATGAGAAGCAGCTCGTCCCTTCGCGCTGGTGCCTTTGGTGTGGCACCTGACCATCTGAAGTAAAGA  
ATGTCAACAACATTTACACAGACAGCCCGCTCAGACCGCTGTGCCTTCGGGGCAATGTGGTGGTGGG  
CAGGGACGTGTCCGTTCCAGAGCTTCGGGAAGCCTACCATGCTGTGGTTCTGAGTTATGGAGCCGAGGAC  
CACCAACCCCTGGAAATTCCTGGCGAGGAGCTGCCTGGAGTGGTCTCAGCCCGGGCCTTTGTGGGCTGGT  
ACAATGGGCTTCCTGAGAACCAGAAGCTGGCTCCGGATCTGAGCTGTGACACGGCTGTGATTCTGGGGCA  
AGGGAATGTGGCTCTGGATGTGGCCCGGATCCTGCTGACCCACCTGAGCACCTGGAGAAAACAGACATC  
ACAGAGGTTGCACTGGGGTCTGAGGCAGAGTCGGGTGAAGACTGTGTGGATAGTGGGTGGCGTGGAC  
CCCTGCAAGTAGCCTTACCATTAAAGGAGCTTCGGGAGATGATTCAAGTCCAGGAACCCAGCCATTTT  
GGATCCTTCGGATTTCTTGGGCTCCAGGACAGAATTAAGGATGTCCCCCGTCCAAGGAAACGGCTGACA  
GAGCTGTCTCGGACAGCCACGGAGAAGCCAGGAGTGAAGAGGCTGCCCGCCGGGCACTGGCCTCTC  
GGGCTGGGGCTCCGCTTTTTCCGAAGCCCCAGCAGGTGCTACCCACCCAGATGGTCGACGGGTAGC  
AGGCATCCGCTGGCAGTTACCAGACTGGAGGGTGTGGTGTGAGTCCACACGGGCACTGCCACGGGAGAT  
GTGGAGGACCTCCCTTGTGGCTGCTGCTGAGCAGTGTGGGTATAAGAGCCGTCCATCGACCCAGCG  
TGCCCTTTGACCCCAAGCTTGAATCATCCCCAACACAGAGGGCCGGGTTGTGAATGCACCAGGCCTCTA  
CTGCAGTGGCTGGGTGAAGAGGGGACCCACAGGTGTCATCACCACAACCATGACAGACAGCTTCCTCACC  
AGCCAGGTGCTGCTGAAGGACCTGAAGGCCGGGCTGCTGCCCTCTGGCCCAGACCTGGCTATACAGCCA  
TTCAAGCCCTGCTCAGTGATCGAGGGTCCGGCCAGTCTCTTTCTCAGATTGGGAGAAGTTGGATGCTGA  
GGAAGTAGCTCGAGGCCAGGGCACTGGGAAACCAAGGGAGAAGCTGGTGGATCGAAGAGAGATGCTGCAG  
CTGCTGGGGCACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2518\\_b05.zip](https://cdn.origene.com/chromatograms/ja2518_b05.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_024153

**Insert Size:** 1485 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_024153.1](#), [NP\\_077067.1](#)

**RefSeq Size:** 1786 bp

**RefSeq ORF:** 1485 bp

**Locus ID:** 79122

**UniProt ID:** [P56522](#)

**Cytogenetics:** 10q32.1

**Gene Summary:** component of electron transfer system for mitochondrial cytochromes P-450; mediates production of steroid hormones and bile acids; activates vitamin D3 in the steroidogenic tissues, liver and kidney [RGD, Feb 2006]