

### Product datasheet for RC221571L4

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## Ferredoxin Reductase (FDXR) (NM\_004110) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: Ferredoxin Reductase (FDXR) (NM\_004110) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Ferredoxin Reductase

Synonyms: ADR; ADXR; ANOA

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

Sgfl-Mlul

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC221571).

Sequence:

Restriction Sites: Cloning Scheme:

Cloning sites used for ORF Shuttling:

Sgf 1 ORF Mlu I

--- GCG ATC GCC ATG --- // --- NNN ACG CGT ---



<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_004110

ORF Size: 1491 bp





#### Ferredoxin Reductase (FDXR) (NM\_004110) Human Tagged Lenti ORF Clone - RC221571L4

**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.

17q25.1

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: <u>NM 004110.2</u>

 RefSeq Size:
 1838 bp

 RefSeq ORF:
 1494 bp

 Locus ID:
 2232

 UniProt ID:
 P22570

Protein Families: Druggable Genome

**MW:** 54.48 kDa

Cytogenetics:

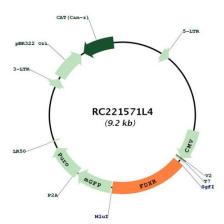
**Gene Summary:** This gene encodes a mitochondrial flavoprotein that initiates electron transport for

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 RC221571L4