

## Recombinant Human FDXR protein, His/T7-tagged

**Cat. No.** FDXR-12H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human FDXR(Ser33~Arg219) fused with His/T7 tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ser33~Arg219
<b>Description</b>	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.
<b>Form</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300
<b>Molecular Mass</b>	Predicted Molecular Mass: 24.1kDa; Accurate Molecular Mass: 24.1kDa(Analysis of differences refer to the manual)
<b>Endotoxin</b>	Less than 0.1 ng/g (1 IEU/g) as determined by LAL test.
<b>Purity</b>	> 95%
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Reconstitution**

Reconstitute in PBS or others.

## GENE INFORMATION

**Gene Name**

FDXR ferredoxin reductase [ [Homo sapiens](#) ]

**Official Symbol**

FDXR

**Synonyms**

FDXR; ferredoxin reductase; ADXR; NADPH:adrenodoxin oxidoreductase, mitochondrial; AR; adrenodoxin reductase; ferredoxin--NADP(+) reductase;

**Gene ID**

[2232](#)

**mRNA Refseq**

[NM\\_001258012](#)

**Protein Refseq**

[NP\\_001244941](#)

**MIM**

[103270](#)

**UniProt ID**

[P22570](#)

**Chromosome Location**

17q24-q25

**Pathway**

Direct p53 effectors, organism-specific biosystem;

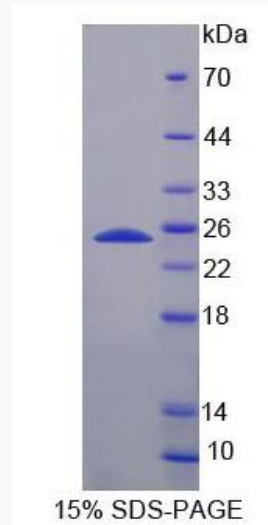
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**Function**

NADPH binding; NADPH-adrenodoxin reductase activity; ferredoxin-NADP+ reductase activity; nucleotide binding; protein binding;



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