

Recombinant Human FDXR protein, His-tagged

Cat. No. FDXR-15H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FDXR(Ser33~Arg219) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	33-219 a.a.
Description	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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	Predicted Molecular Mass: 24.1kDa; Accurate Molecular Mass; 24.1kDa(Analysis of differences refer to the manual)
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%
Applications	SDS-PAGE; WB; ELISA; IP
Stability	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;

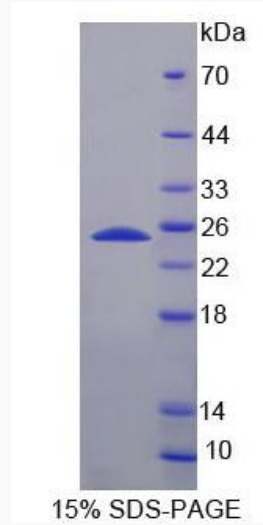
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Function

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



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