Recombinant Human FDXR protein, His/T7-tagged

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

SPECIFICATION

Product Overview	Recombinant Human FDXR(Ser33~Arg219) fused with His/T7 tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser33~Arg219
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	Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Purity	> 95%
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

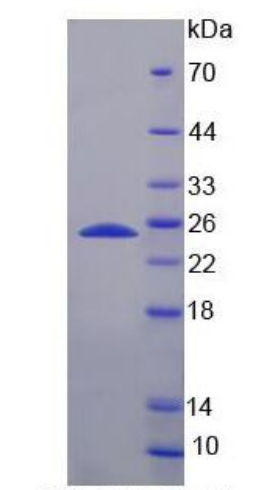
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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;
	 15% SDS-PAGE

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