# Recombinant Human FDXR protein, His-tagged

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

## SPECIFICATION

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| **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;<br>Accurate Molecular Mass; 24.1kDa(Analysis of differences refer to the manual) |
| **Endotoxin** | <1.0EU per 1μg (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 |

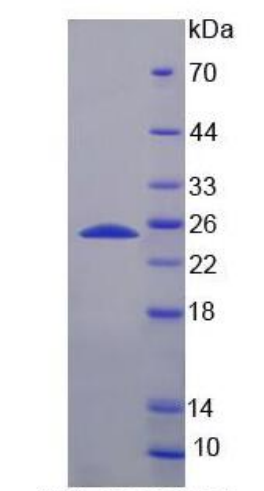
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| | accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.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

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| **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; |
| | <br>15% SDS-PAGE |

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