

# Recombinant Human FDXR protein, His-SUMO-tagged

**Cat. No.** FDXR-2898H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Product Overview</b> | Recombinant Human FDXR protein(P22570)(33-451aa), fused to N-terminal His tag and SUMO tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 33-451aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 61.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | <p>STQEKTPQICVVGSGPAGFYTAQHLLKQHPQAHVDIYEKQPVPFGLVRFGVAPDHP</p> <p>EVKSYGAEDHRALEIPGEELPGVCSARAFVGWYNGLPENQELEPDLSCDTAVILGQ</p> <p>GNVALDVARILLTPPEHLERTDITKAALGVLRQSRVKTWVLVGGRRGPLQVAFTIKELR</p> <p>EMIQLPGARPIIDPVDLGLQDKIKEVPRPRKRLTELLLRATEKPGPAEAAARQASAS</p> <p>RAWGLRFFRSPQQVLPSPDGRRRAAGVRLAVTRLEGVDEATRAVPTGDMEDLPCGL</p> <p>VLSSIGYKSRPVDPSVPFDSKLGVIPNVEGRVMDVPGLYCSGWVKRGPTGVIATTM</p> <p>TDSFLTGMQLLQDLKAGLLPSGPRPGYAAIQALLSSRGVVRPVSFSDWEKLDAEEVA</p> <p>RGQGTGKPREKLVDLPQEMLRLLGH</p> |

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                   |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                |
| <b>Reconstitution</b> | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. |

## GENE INFORMATION

|                        |                                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | FDXR ferredoxin reductase [ Homo sapiens ]                                                                                                   |
| <b>Official Symbol</b> | FDXR                                                                                                                                         |
| <b>Synonyms</b>        | FDXR; ferredoxin reductase; ADXR; NADPH:adrenodoxin oxidoreductase, mitochondrial; AR; adrenodoxin reductase; ferredoxin--NADP(+) reductase; |
| <b>Gene ID</b>         | 2232                                                                                                                                         |
| <b>mRNA Refseq</b>     | NM_001258012                                                                                                                                 |
| <b>Protein Refseq</b>  | NP_001244941                                                                                                                                 |
| <b>MIM</b>             | 103270                                                                                                                                       |
| <b>UniProt ID</b>      | P22570                                                                                                                                       |

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