



# Recombinant Human NADPH:adrenodoxin oxidoreductase, mitochondrial (FDXR)

<b>Product Code</b>	CSB-EP008575HU
<b>Relevance</b>	Serves as the first electron transfer protein in all the mitochondrial P450 systs. Including cholesterol side chain cleavage in all steroidogenic tissues, steroid 11-beta hydroxylation in the adrenal cortex, 25-OH-vitamin D3-24 hydroxylation in the kidney, and sterol C-27 hydroxylation in the liver.
<b>Abbreviation</b>	Recombinant Human FDXR protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P22570
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	STQEKTPQICVVGSGPAGFYTAQHLLKQHPQAHVDIYEKQPVPFGLVRFVGVAP DHPEVKSYGAEDHRALEIPGEELPGVCSARAFVGVWYNGLPENQELEPDLSCD TAVILGQGNVALDVARILLTPPEHLERTDITKAALGVLRQSRVKTVWLVGRRGP LQVAFTIKELREMIQLPGARPILDPVDFLGLQDKIKEVPRPRKRLTELLLRATEK PGPAEAARQASASRAWGLRFFRSPQQVLPSPDGRRAAGVRLAVTRLEGVDE ATRAVPTGDMEDLPCGLVLSSIGYKSRPVDPSVPFDSKLGVIPNVEGRVMDVP GLYCSGWVKRGPTGVIATTMTDSFLTGMQLLQDLKAGLLPSGPRPGYAAIQAL LSSRGVVRPVSFSDWEKLDAAEEVARGQGTGKPREKLVDPQEMLRLLGH
<b>Research Area</b>	Cell Biology
<b>Source</b>	E.coli
<b>Target Names</b>	FDXR
<b>Protein Names</b>	Recommended name: NADPH:adrenodoxin oxidoreductase, mitochondrial Short name= AR Short name= Adrenodoxin reductase EC= 1.18.1.2Alternative name(s): Ferredoxin--NADP(+) reductase Short name= Ferredoxin reductase
<b>Expression Region</b>	33-451aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	58.5kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>Image</b>	

