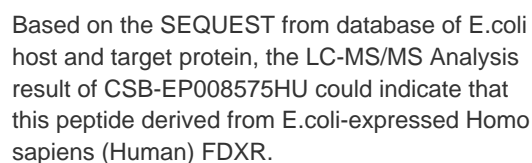
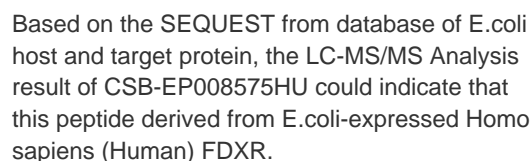
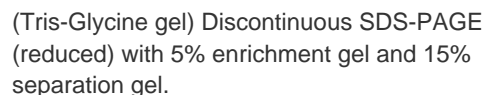




# Recombinant Human NADPH:adrenodoxin oxidoreductase, mitochondrial (FDXR)

<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 DHPEVKSYGAEDHRALEIPGEELPGVCSARAFVGWYNGLPENQELEPDLSCD TAVILGQGNVALDVARILLTPPEHLERTDITKAALGVLRQSRVKTWLVGRRGP LQVAFTIKELREMIQLPGARPILDPVDFLGLQDKIKEVPRPRKRLTELLRTATEK PGPAEAARQASASRAWGLRFFRSPQQVLPSPDGRRAAGVRLAVTRLEGVDE ATRAVPTGDMEDLPCGLVLSSIGYKSRPVDPSVPFDSKLGVIPNVEGRVMDVP GLYCSGWVKRGPTGVIATTMTDSFLTGMQLLQDLKAGLLPSGPRPGYAAIQAL LSSRGVRPVSFSDWEKLDAEEVARGQGTGKPREKLVDQPQEMLRLLGH
<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>	



The preparation of this recombinant Human FDXR protein was to use gene recombination DNA technology to obtain a recombinant vector connected with a FDXR fragment (33-451aa) that could be translated into the FDXR protein and then transferred it into E.coli cells to express the recombinant FDXR protein molecule. In order to get the target protein with high purity, N-terminal 6xHis-SUMO tag was used in the production. The purity is 90% determined by SDS-PAGE.

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.



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