



Recombinant Human NADPH:adrenodoxin oxidoreductase, mitochondrial (FDXR)

Product Code	CSB-BP008575HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P22570
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	STQEKTPQICVVGSGPAGFYTAQHLLKQHPQAHVDIYEKQPVPFGLVRFVAP DHPEVKSYGAEDHRALEIPGEELPGVCSARAFVGVYNGLPENQELEPDLSCD TAVILGQGNVALDVARILLTPPEHLERTDITKAALGVLRQSRVKTWVLVGRRG LQVAFTIKELREMIQLPGARPILDPVDFLGLQDKIKEVPRPRKRLTELLLRATEK PGPAEAARQASASRAWGLRFFRSPQQVLPSPDGRRAAGVRLAVTRLEGVDE ATRAVPTGDMEDLPCGLVLSSIGYKSRPVDPSVPFDSKLGVIPNVEGRVMDVP GLYCSGWVVRGPTGVIATTMTDSFLTGMQLLQDLKAGLLPSGPRPGYAAIQAL LSSRGVPRVVSFSDWEKLDAAEEVARGQGTGKPREKLVDPQEMLRLLGH
Source	Baculovirus
Target Names	FDXR
Protein Names	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
Expression Region	33-451
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a mitochondrial flavoprotein that initiates electron transport for cytochromes P450 receiving electrons from NADPH. Multiple alternatively spliced transcript variants of this gene have been described although the full-length nature of only two that encode different isoforms have been determined.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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%. Customers could use it as reference.
Shelf Life	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.