



Recombinant Human Adrenodoxin, mitochondrial (FDX1)

Product Code	CSB-MP008570HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P10109
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	SSSEDKITVH FINRDGETLT TKGKVGDSLL DVVVENNLDI DGFGACEGTL ACSTCHLIFE DHIYEKLDI TDEENDMLDL AYGLTDRSRL GCQICLTKSM DNMTVRVPET VADARQSIDV GKTS
Source	Mammalian cell
Target Names	FDX1
Protein Names	Recommended name: Adrenodoxin, mitochondrial Alternative name(s): Adrenal ferredoxin Ferredoxin-1 Hepatoredoxin
Expression Region	61-184
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	The product of this gene is a small iron-sulfur protein that transfers electrons from NADPH through ferredoxin reductase to a terminal cytochrome P450. This particular oxidation/reduction system is found in steroidogenic tissues, and is involved with the synthesis of bile acid and vitamin D. In addition to the expressed gene at this chromosomal locus (11q22), there are pseudogenes located on chromosomes 20 and 21. This gene product has been identified in a number of different tissues but all forms have been shown to be identical and are not tissue specific.
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.