Recombinant Human FDX1 Protein

Cat. No. FDX1-4060H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FDX1 (NP_004100, 61 a.a. - 184 a.a.) partial recombinant protein expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	61-184 a.a.
Description	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. [provided by RefSeq
Form	Liquid
Molecular Mass	15 kDa
AA Sequence	MASMTGGQQMGRGSMSSSEDKITVHFINRDGETLTTKGKVGDSLLDVVVENNLDID GFGACEGTLACSTCHLIFEDHIYEKLDAITDEENDMLDLAYGLTDRSRLGCQICLTKS MDNMTVRVPETVADARQSIDVGKTS

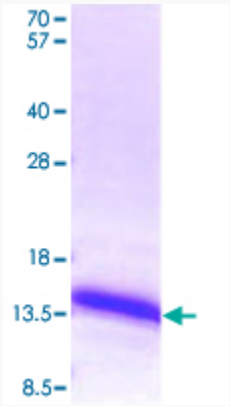
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE
Storage	Store at 4 centigrade for 1-2 weeks. For long term storage store at -20 centigrade or -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Concentration	1 mg/mL
Storage Buffer	In 20 mM Tris-HCl, pH8.0 (10% glycerol)

GENE INFORMATION

Gene Name	FDX1 ferredoxin 1 [Homo sapiens]
Official Symbol	FDX1
Synonyms	FDX1; ferredoxin 1; FDX; adrenodoxin, mitochondrial; adrenodoxin; ADX; ferredoxin-1; hepatoredoxin; adrenal ferredoxin; mitochondrial adrenodoxin; LOH11CR1D;
Gene ID	2230
mRNA Refseq	NM_004109
Protein Refseq	NP_004100
MIM	103260
UniProt ID	P10109

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Quality Control Testing	 Loading 3 μg protein in 15% SDS-PAGE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA