

Recombinant Full Length Human FDX1 Protein, GST-tagged

Cat. No. FDX1-4776HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FDX1 full-length ORF (AAH10284.1, 1 a.a. - 184 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	184 amino acids
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.
Molecular Mass	46.64 kDa
AA Sequence	MAAAGGARLLRAASAVLGGPAGRWLHHAGSRAGSSGLLRNRGPGGSAEASRSL VSARARSSSEDKITVHFINRDGETLTTKGKVGDSLDDVVVNNLDIDGFGACEGTLA CSTCHLIFEDHIYEKLDAITDEENDMLDLAYGLTDRSRLGCQICLTKSMDNMTVRVPE TVADARQSIDVGKTS
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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