

Recombinant Human FDX1, GST-tagged

Cat. No. FDX1-12835H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FDX1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-184a.a.
Description	This gene encodes a small iron-sulfur protein that transfers electrons from NADPH through ferredoxin reductase to mitochondrial cytochrome P450, involved in steroid, vitamin D, and bile acid metabolism. Pseudogenes of this functional gene are found on chromosomes 20 and 21.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	FDX1 ferredoxin 1 [Homo sapiens]
Official Symbol	FDX1

 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

Synonyms	FDX1; ferredoxin 1; FDX; adrenodoxin, mitochondrial; adrenodoxin; ADX; ferredoxin-1; heptaredoxin; adrenal ferredoxin; mitochondrial adrenodoxin; LOH11CR1D;
Gene ID	2230
mRNA Refseq	NM_004109
Protein Refseq	NP_004100
MIM	103260
UniProt ID	P10109
Chromosome Location	11q22.3
Function	2 iron, 2 sulfur cluster binding; NADPH-adrenodoxin reductase activity; cholesterol monooxygenase (side-chain-cleaving) activity; electron carrier activity; enzyme binding; iron ion binding; metal ion binding;

 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