

Recombinant Mouse Fdx1 Protein, Myc/DDK-tagged

Cat. No. Fdx1-2981M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ferredoxin 1 (Fdx1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Ferredoxins are iron-sulfur proteins that facilitate monooxygenase reactions catalyzed by P450 enzymes. The protein encoded by this gene is present in the mitochondrial matrix and transfers electrons from ferredoxin reductase to steroidogenic mitochondrial cytochrome P450 proteins. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	20.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Fdx1 ferredoxin 1 [Mus musculus (house mouse)]
Official Symbol	Fdx1
Synonyms	FDX1; ferredoxin 1; adrenodoxin, mitochondrial; ferredoxin-1; adrenal ferredoxin
Gene ID	14148
mRNA Refseq	NM_007996
Protein Refseq	NP_032022
UniProt ID	P46656

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