

Recombinant Mouse Fdx1 Protein, His&GST-tagged

Cat. No. Fdx1-1476M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fdx1 Protein (Gly80-Gln180) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Gly80-Gln180
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41 kDa Accurate Molecular Mass: 41 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

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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