

Recombinant Human FXN, His-tagged

Cat. No. FXN-13051H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FXN protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-210a.a.
Description	This nuclear gene encodes a mitochondrial protein which belongs to FRATAXIN family. The protein functions in regulating mitochondrial iron transport and respiration. The expansion of intronic trinucleotide repeat GAA results in Friedreich ataxia. Alternative splicing results in multiple transcript variants.
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 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	FXN frataxin [Homo sapiens]
Official Symbol	FXN

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Synonyms	FXN; frataxin; FRDA, Friedreich ataxia; frataxin, mitochondrial; CyaY; FA; FARR; X25; Friedreich ataxia protein; FRDA; MGC57199;
Gene ID	2395
mRNA Refseq	NM_000144
Protein Refseq	NP_000135
MIM	606829
UniProt ID	Q16595
Chromosome Location	9q21.11
Pathway	HIF-2-alpha transcription factor network, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Mitochondrial Protein Import, organism-specific biosystem;
Function	2 iron, 2 sulfur cluster binding; enzyme binding; ferric iron binding; ferrous iron binding; ferroxidase activity; iron chaperone activity; iron-sulfur cluster binding; metal ion binding; protein binding;