

Recombinant Mouse FXN Protein (78-207 aa), His-tagged

Cat. No. FXN-1397M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse FXN Protein (78-207 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Mouse
Source	Yeast
ProteinLength	78-207 aa
Description	Promotes the biosynthesis of he and assbly and repair of iron-sulfur clusters by delivering Fe ²⁺ to proteins involved in these pathways. May play a role in the protection against iron-catalyzed oxidative stress through its ability to catalyze the oxidation of Fe ²⁺ to Fe ³⁺ ; the oligomeric form but not the monomeric form has in vitro ferroxidase activity. May be able to store large amounts of iron in the form of a ferrihydrite mineral by oligomerization. Modulates the RNA-binding activity of ACO1.
Form	Tris-based buffer,50% glycerol
Molecular Mass	16.4 kDa
AA Sequence	LGTLDPSSLDETAYERLAEETLDSLAEFFEDLADKPYTLEDYDVSFGDGVLTIKLGG DLGTYVINKQTPNKQIWLSSPSSGPKRYDWTGKNWVYSHDGVSLHELLARELT KALNTKLDLSSLAYSGKGT

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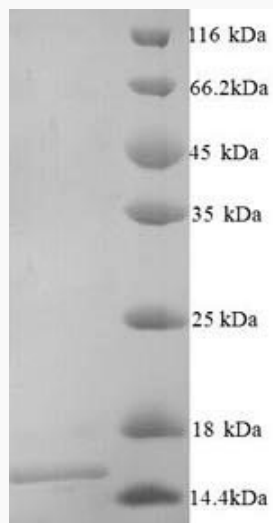
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.
GENE INFORMATION	
Gene Name	Fxn frataxin [Mus musculus]
Official Symbol	FXN
Synonyms	FXN; frataxin; FA; X25; FARR; Frda;
Gene ID	14297
mRNA Refseq	NM_008044
Protein Refseq	NP_032070
UniProt ID	O35943

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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