

Product datasheet for TP524586

Fxn (NM_008044) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse frataxin (Fxn), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224586 representing NM_008044 Red=Cloning site Green=Tags(s)

MWAFGGRAAVGLLPRTASRASAWVGNPRWREPIVTCGRRGLHVTVNAGATRHAHLNLHYLQILNIKKQSV
CVVHLRNLGTLDPSSLDETAYERLAEETLDSLAEFFEDLADKPYTLEDYDVSFQDGVLTIKLGGDLGTY
VINKQTPNKQIWLSSPSSGPKRYDWTGKNWVYSHDGVSLHELLARELTKALNTKLDLSSLAYSQKGT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	23.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_032070
Locus ID:	14297
UniProt ID:	Q35943 , Q3TV21
RefSeq Size:	1095
Cytogenetics:	19 B



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RefSeq ORF: 621

Synonyms: FA; FARR; Frda; X25

Summary: Promotes the biosynthesis of heme and assembly 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 (By similarity).[UniProtKB/Swiss-Prot Function]