

Product datasheet for **TP304880L**

Frataxin (FXN) (NM_000144) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human frataxin (FXN), nuclear gene encoding mitochondrial protein, transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204880 protein sequence Red =Cloning site Green =Tags(s)

MWTLGRRVAVAGLLASPSAQAQTLTRVPRPAELAPLCGRRGLRTRDIDATCTPRRASSNQRGLNQIWNVKK
QSVYLMNLRKSGTLGHPGSLDETTYERLAEETLDSLAEFFEDLADKPYTFEDYDVSFGSGVLTVKLGDDL
GTYVINKQTPNKQIWLSSPSSGPKRYDWTGKNWVYSHDGVSLHELLAAELTKALKTKLDLSSLAYSGKDA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	23.1 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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_000135
Locus ID:	2395
UniProt ID:	Q16595 , A0A0S2Z3G4



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RefSeq Size: 7168

Cytogenetics: 9q21.11

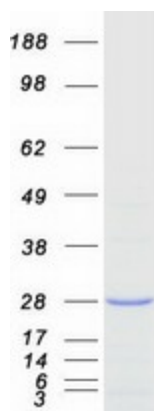
RefSeq ORF: 630

Synonyms: CyaY; FA; FARR; FRDA; X25

Summary: This nuclear gene encodes a mitochondrial protein which belongs to the FRATAXIN family. The protein functions in regulating mitochondrial iron transport and respiration. The expansion of intronic trinucleotide repeat GAA from 8-33 repeats to >90 repeats results in Friedreich ataxia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2016]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified FXN protein (Cat# [TP304880]). The protein was produced from HEK293T cells transfected with FXN cDNA clone (Cat# [RC204880]) using MegaTran 2.0 (Cat# [TT210002]).