

Product datasheet for **TP304880**

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, 20 µg

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

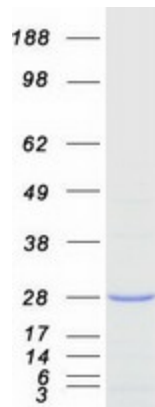
RefSeq ORF: 630

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]).