

Product datasheet for PH304880

Frataxin (FXN) (NM_000144) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FXN MS Standard C13 and N15-labeled recombinant protein (NP_000135)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204880
Predicted MW:	23.1 kDa
Protein Sequence:	>RC204880 protein sequence Red=Cloning site Green=Tags(s) MWTLGRRAVAGLLASPSAQAQTLTRVPRPAELAPLCGRRGLRDTIDATCTPRRASSNQRLNQIWNVKK QSVYLMNLRKSGTLGHPGSLDETTYERLAEETLDSLAEFFEDLADKPYTFEDYDVSFGSGVLTVKLGGDL GTYYINKQTPNKQIWLSSSPGPKRYDWTGKNWVYSHDGVSLHELLAAELTKALKTKLDLSSLAYSCKDA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000135
RefSeq Size:	7168
RefSeq ORF:	630
Synonyms:	CyaY; FA; FARR; FRDA; X25
Locus ID:	2395
UniProt ID:	Q16595 , A0A0S2Z3G4



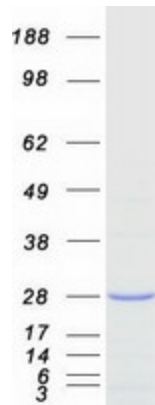
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Cytogenetics: 9q21.11

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]).