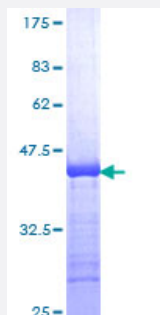


FXN (Human) Recombinant Protein (Q01)

Catalog # H00002395-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human FXN partial ORF (AAH48097.1, 91 a.a. - 200 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DETTYERLAEETLDSLAEFFEDLADKPYTFEDYDVSFGSGVLTVKLGDDLGTIVINKQTPNKQMWL SSPSSGPKRYDWTGKNWVYSHDGVSLHELLAAELTKALKTKLDL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — FXN

Entrez GeneID [2395](#)

GeneBank Accession# [NM_000144](#)

Protein Accession# [AAH48097.1](#)

Gene Name FXN

Gene Alias CyaY, FA, FARR, FRDA, MGC57199, X25

Gene Description frataxin

Omim ID [229300 606829](#)

Gene Ontology [Hyperlink](#)

Gene Summary This nuclear gene encodes a mitochondrial protein which belongs to FRATAXIN family. The protein functions in regulating mitochondrial iron transport and respiration. The expansion of intronic trinucleotide repeat GAA results in Friedreich ataxia. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations OTTHUMP00000021428

Disease

- [Cardiomegaly](#)
- [Cardiomyopathies](#)
- [Cardiovascular Diseases](#)
- [Cerebellar Ataxia](#)

- [Chronic Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Fragile X syndrome](#)
- [Friedreich Ataxia](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Interview](#)
- [Muscular Atrophy](#)
- [Myocardial Infarction](#)
- [Myotonic dystrophy](#)
- [Prostatic Neoplasms](#)
- [Schizophrenia](#)
- [Scoliosis](#)
- [Spinal muscular atrophy](#)