

Frataxin Recombinant Protein | FXN recombinant protein

Recombinant Human Frataxin

CATALOG # AAA38697	HOST E Coli
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PRODUCT SYNONYMS

Frataxin; Recombinant Human Frataxin; Frataxin Human; Frataxin Human Recombinant; FXN; Friedreich ataxia protein; Frataxin mitochondrial; FRDA; X25; FA; CyaY; FARR; MGC57199; FXN recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The Frataxin solution contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol. Sterile Filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMLR TDIDATCTPR RASSNQRLN QIWNVKKQSV YLMNLRKSGT LGHPGSLDET TYERLAEETL DSLAEFFEDL ADKPYTFEDY DVSFGSGVLT VKLGGDLGTY VINKQTPNKQ IWLSSPSSGP KRYDWTGKNW VYSHDGVSLH ELLAAELTKA LKTKLDLSSL AYS GKDA
Sequence Length	210

ADDITIONAL INFORMATION

Related Product Information for FXN recombinant protein	Description: Frataxin Human Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 190 amino acids (42-210 a.a.) and having a molecular mass of 21.1 kDa. The Frataxin is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques. Introduction: Frataxin is a mitochondrial iron binding protein that is part of the FRATAXIN family. Frataxin functions in regulating mitochondrial iron transport and respiration. The expansion of intronic trinucleotide repeat GAA results in Friedreich ataxia. Frataxin plays a role in iron homeostasis. Frataxin is an anti-apoptotic protein which prevents mitochondrial damage and reactive oxygen species (ROS) production.
Product Categories/Family for FXN recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	31077081
NCBI GeneID	2395
NCBI Accession #	NP_000135.2
NCBI GenBank Nucleotide #	NM_000144.4
UniProt Accession #	Q16595 ; O15545 ; O95656 ; Q15294 ; Q5VZ01 ; A8MXJ6 ; C9JJ89
Molecular Weight	21,416 Da
NCBI Official Full Name	frataxin, mitochondrial isoform 1 preproprotein
NCBI Official Synonym Full Names	frataxin
NCBI Official Symbol	FXN

NCBI Official Synonym Symbols	FA; X25; CyaY; FARR; FRDA
NCBI Protein Information	frataxin, mitochondrial; Friedreich ataxia protein
UniProt Protein Name	Frataxin, mitochondrial
UniProt Gene Name	FXN
UniProt Synonym Gene Names	FRDA; X25; Fxn; i-FXN
UniProt Entry Name	FRDA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/fxn-recombinant-protein-e-coli/38697>