

Frataxin, mitochondrial (FXN) Recombinant Protein | FXN recombinant protein

Recombinant Human Frataxin, mitochondrial (FXN)

CATALOG #
AAA233547

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

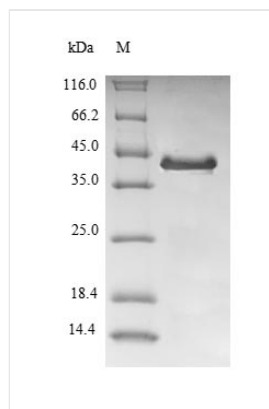
PRODUCT SYNONYMS

Frataxin; mitochondrial (FXN); Recombinant Human Frataxin; mitochondrial; FXN recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-210. Full length.
Sequence	MWTLGRRAVA GLLASPSAQ AQLTRVPRP AELAPLCGRR GLRTDIDATC TPRRASSNQR GLNQIWNVKK QSVYLMNLRK SGTLGHPGSL DETTYERLAE ETLDSLAEFF EDLADKPYTF EDYDVSGSG VLTVKLGDDL GTYVINKQTP NKQIWLSSPS SGPKRYDWTG KNWVYSHDGV SLHELLAAEL TKALKTKLDL SSLAYSGKDA
Sequence Length	210
Species	Homo sapiens (Human)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for FXN recombinant protein

Promotes the biosynthesis of heme and assembly and repair of iron-sulfur clusters by delivering Fe²⁺ to proteins involved in these pathways. May play a role in the protection against iron-catalyzed oxidative stress through its ability to catalyze the oxidation of Fe²⁺ to Fe³⁺; the oligomeric form but not the monomeric form has in vitro ferroxidase activity. May be able to store large amounts of iron in the form of a ferrihydrite mineral by oligomerization; however, the physiological relevance is unsure as reports are conflicting and the function has only been shown using heterologous overexpression systems. Modulates the RNA-binding activity of ACO1.

Product Categories/Family for FXN recombinant protein	Tags & Cell Markers
References	"The in vivo mitochondrial two-step maturation of human frataxin." Schmucker S., Argentini M., Carelle-Calmels N., Martelli A., Puccio H. Hum. Mol. Genet. 17:3521-3531(2008)

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	43.1 kDa
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
UniProt Protein Name	Frataxin, mitochondrial
UniProt Gene Name	FXN
UniProt Synonym Gene Names	FRDA; X25; Fxn; i-FXN

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.