

Frataxin Recombinant Protein | Fxn recombinant protein

Recombinant Mouse Frataxin, mitochondrial

CATALOG #
AAA115465

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

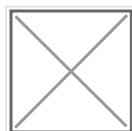
PRODUCT SYNONYMS

Frataxin; Recombinant Mouse 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	78-207aa; partial
Sequence	LGTLDPSSSL DETAYERLAE ETLDSLAEFF EDLADKPYTL EDYDVSGDG VLTIKLGGDL GTYVINKQTP NKQIWLSSPS SGPKRYDWTG KNWVYSHDGV SLHELLAREL TKALNTKLDL SSLAYSGKGT
Production Note	Special Offer: The Yeast host-expressed protein is manufactured from a stock plasmid containing the protein gene. Yeasthost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The Yeast host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select Yeast host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Fxn recombinant protein

Promotes the biosynthesis of he 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. Modulates the RNA-binding activity of ACO1.

References	Studies of human, mouse and yeast homologues indicate a mitochondrial function for frataxin.Koutnikova H., Campuzano V., Foury F., Dolle P., Cazzalini O., Koenig M.Nat. Genet. 16:345-351(1997) Assembly and iron-binding properties of human frataxin, the protein deficient in Friedreich ataxia.Cavadini P., O'Neill H.A., Benada O., Isaya G.Hum. Mol. Genet. 11:217-227(2002) Frataxin is essential for extramitochondrial Fe-S cluster proteins in mammalian tissues.Martelli A., Wattenhofer-Donze M., Schmucker S., Bouvet S., Reutenauer L., Puccio H.Hum. Mol. Genet. 16:2651-2658(2007) 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) The first cellular models based on frataxin missense mutations that reproduce spontaneously the defects associated with Friedreich ataxia.Calmels N., Schmucker S., Wattenhofer-Donze M., Martelli A., Vaucamps N., Reutenauer L., Messaddeq N., Bouton C., Koenig M., Puccio H.PLoS ONE 4:E6379-E6379(2009) Elucidation of the mechanism of mitochondrial iron loading in Friedreich's ataxia by analysis of a mouse mutant.Huang M.L., Becker E.M., Whitnall M., Rahmanto Y.S., Ponka P., Richardson D.R.Proc. Natl. Acad. Sci. U.S.A. 106:16381-16386(2009)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6679863
NCBI GeneID	14297
NCBI Accession #	NP_032070.1
NCBI GenBank Nucleotide #	NM_008044.2
UniProt Accession #	O35943
Molecular Weight	16.4 kDa
NCBI Official Full Name	frataxin, mitochondrial
NCBI Official Synonym Full Names	frataxin
NCBI Official Symbol	Fxn
NCBI Official Synonym Symbols	FA; X25; FARR; Frda
NCBI Protein Information	frataxin, mitochondrial
UniProt Protein Name	Frataxin, mitochondrial
UniProt Gene Name	Fxn
UniProt Synonym Gene Names	Frda; Fxn
UniProt Entry Name	FRDA_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/fxn-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/115465>