

Datasheet for ABIN5709541

Frataxin Protein (FXN) (AA 78-207) (His-SUMO Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Frataxin (FXN)
Protein Characteristics:	AA 78-207
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Frataxin protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	LGTLDPSSSL DETAYERLAE ETLDSLAEFF EDLADKPYTL EDYDVSGDGD VLTIKLGGDL GTIVINKQTP NKQIWLSSPS SGPKRYDWTG KNWVYSHDGV SLHELLAREL TKALNTKLDL SSLAYSGKGT
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	Frataxin (FXN)
Alternative Name:	FRDA (FXN Products)
Background:	Promotes the biosynthesis of he and assbly and repair of iron-sulfur clusters by delivering Fe ²⁺ to proteins involved in these pathways. May play a role in the protection against iron-catalyzed

Target Details

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 .

Molecular Weight: 30.4 kDa

UniProt: [O35943](#)

Pathways: [Transition Metal Ion Homeostasis, Regulation of Cell Size](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

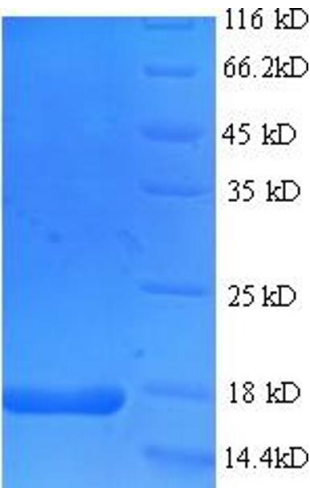
Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



SDS-PAGE

Image 1.