

Datasheet for ABIN5713460

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

## Overview

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

## Product Details

|               |  |
|---------------|--|
| Sequence:     | LGTLDPSSL DETAYERLAE ETLDSLAEFF EDLADKPYTL EDYDVSGDG VLTIKLGGDL<br>GTIVINKQTP NKQIWLSSPS SGPKRYDWTG KNWVYSHDGV SLHELLAREL TKALNTKLDL<br>SSLAYSGKGT |
| Purification: | SDS-PAGE   |
| Purity:       | > 90 %   |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | Frataxin (FXN)  |
| Alternative Name: | FRDA ( <a href="#">FXN Products</a> )   |
| Background:       | Promotes the biosynthesis of he and assbly and repair of iron-sulfur clusters by delivering Fe <sup>2+</sup> 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 Fe<sup>2+</sup> to Fe<sup>3+</sup>, 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: 16.4 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

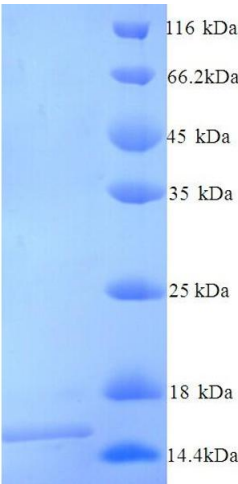
Concentration: 0.1-2 mg/mL

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.