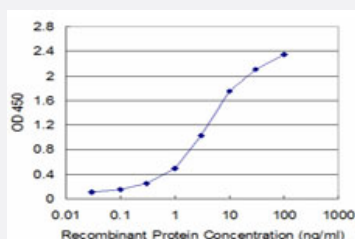


# FXN monoclonal antibody (M05), clone 3E7

Catalog # H00002395-M05

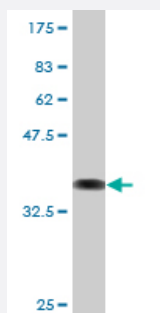
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FXN is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant FXN.

### Immunogen

FXN (AAH48097.1, 91 a.a. ~ 200 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

### Sequence

DETTYERLAEETLDSLAEFFEDLADKPYTFEDYDVSFGSGVLTVKLGDDLGTIVINKQTPNKQMWL  
SSPSSGPKRYDWTGKNWVYSHDGVSLHELLAAELTKALKTKLDL

### Host

Mouse

### Reactivity

Human

### Isotype

IgG1 Kappa

**Quality Control Testing**

Antibody Reactive Against Recombinant Protein.  
Western Blot detection against Immunogen (37.84 KDa) .

**Storage Buffer**

In 1x PBS, pH 7.4

**Storage Instruction**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FXN is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — FXN

**Entrez GeneID**

[2395](#)

**GeneBank Accession#**

[NM\\_000144](#)

**Protein Accession#**

[AAH48097.1](#)

**Gene Name**

FXN

**Gene Alias**

CyaY, FA, FARR, FRDA, MGC57199, X25

**Gene Description**

frataxin

**Omim ID**

[229300](#) [606829](#)

**Gene Ontology**

[Hyperlink](#)

**Gene Summary**

This nuclear gene encodes a mitochondrial protein which belongs to FRATAXIN family. The protein functions in regulating mitochondrial iron transport and respiration. The expansion of intronic trinucleotide repeat GAA results in Friedreich ataxia. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

**Other Designations**

OTTHUMP00000021428

## Disease

- [Cardiomegaly](#)
- [Cardiomyopathies](#)
- [Cardiovascular Diseases](#)
- [Cerebellar Ataxia](#)
- [Chronic Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Fragile X syndrome](#)
- [Friedreich Ataxia](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Interview](#)
- [Muscular Atrophy](#)
- [Myocardial Infarction](#)
- [Myotonic dystrophy](#)
- [Prostatic Neoplasms](#)
- [Schizophrenia](#)
- [Scoliosis](#)
- [Spinal muscular atrophy](#)