# **Recombinant Frataxin (FXN) Instruction Manual**

# SIPC358Mu01

# Mus musculus (Mouse)

**Source** Prokaryotic expression

**Host** E.coli

Endotoxin Level <1.0EU per 1µg (determined by the LAL method)

**Subcellular Location** Mitochondrion, Cytoplasm

Predicted Molecular Mass 22.4kDa

Accurate Molecular Mass 24kDa(Analysis of differences refer to the manual)

**Residues & Tags** Leu41~Thr207 with N-terminal His Tag

Buffer Formulation 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA,

1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

**Traits** Freeze-dried powder

Purity > 95% Isoelectric Point 6.4

**Applications** Positive Control; Immunogen; SDS-PAGE; WB.

# **SEQUENCE**

LHVTVNAGAT

RHAHLNLHYL QILNIKKQSV CVVHLRNLGT LDNPSSLDET AYERLAEETL DSLAEFFEDL ADKPYTLEDY DVSFGDGVLT IKLGGDLGTY VINKQTPNKQ IWLSSPSSGP KRYDWTGKNW VYSHDGVSLH ELLARELTKA LNTKLDLSSL AYSGKGT

### **USAGE**

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

# STORAGE

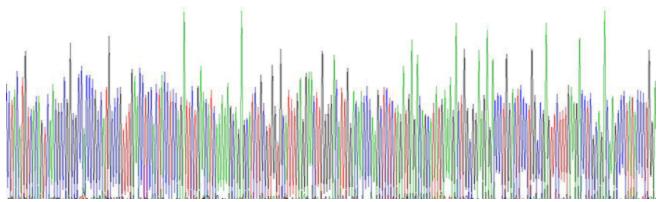
Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

# **STABILITY**

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

# **Image**

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SDS-PAGE Image

# [IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.