

Frataxin, 42-210aa, Human, His tag, E.coli

Cat.NO.: TP02148

3th Edition

Synonyms:CyaY, FA, FARR, FRDA, X25, FXN

Description:Frataxin, also known as FXN, is an iron binding protein which belongs to FRATAXIN family. It is an anti-apoptotic protein which prevents mitochondrial damage, reactive oxygen species production and act as either an iron chaperone or an iron storage protein. Frataxin is localized to the mitochondrion and regulating mitochondrial iron transport and respiration.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.5) containing 20% glycerol 0.1M NaCl 1mM DTT.

Molecular Weight:21.1 kDa (190aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMLRTDIDATCTPRRASSNQRLNQIWNVKKQSVYLMNLRKSGTLGHPGSLDETT
YERLAEETLDSLAEFFEDLADKPYTFEDYDVSFGSGVLTVKLGDDLGTIVINKQTPNKQIWLSSPSSGPKRYDWTG
KNWVYSHDGVSLHELLAAELTKALKTKLDLSSLAYSGKDA

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.