

Product information

Frataxin, 42-210 aa

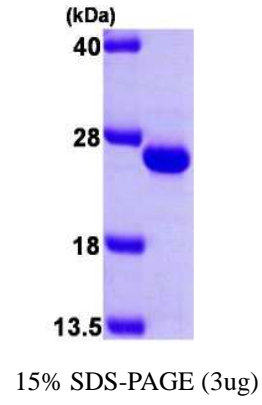
Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0448

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

NCBI Accession No.: NP_000135

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. Defects in this protein cause Friedreich ataxia. Recombinant Frataxin protein was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.5) containing 20% glycerol 0.1M NaCl 1mM DTT.</p> <p>Molecular Weight: 21.1 kDa (190aa), confirmed by MALDI-TOF</p> <p>Purity: > 95% by SDS – PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p>	
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Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MLRTDIDATC TPRRASSNQR GLNQIWNVKK QSVYLMNLRK SGTLGHPGSL DETTYERLAE ETLDSLAEFF
EDLADKPYTF EDYDVSFGSG VLTVKLGGDL GTYVINKQTP NKQIWLSSPS SGPKRYDWTG KNWVYSHDGV SLHELLAAEL TKALKTKLDL
SSLAYSGKDA

General references:

Campuzano V., *et al.* (1996) *Science*. 271(5254):1423-7.

Shan Y., *et al.* (2007) *Hum Mol Genet*. 16(8):929-41.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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