

32-3843: Frataxin Recombinant Protein

Alternative Name : FXN, Friedreich ataxia protein, Frataxin mitochondrial, FRDA, X25, FA, CyaY, FARR, MGC57199, Frataxin.

Description

Source : Escherichia Coli. Frataxin Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 190 amino acids (42-210 a.a.) and having a molecular mass of 21.1 kDa. The Frataxin is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques. Frataxin is a mitochondrial iron binding protein that is part of the FRATAXIN family. Frataxin functions in regulating mitochondrial iron transport and respiration. The expansion of intronic trinucleotide repeat GAA results in Friedreich ataxia. Frataxin plays a role in iron homeostasis. Frataxin is an anti-apoptotic protein which prevents mitochondrial damage and reactive oxygen species (ROS) production.

Product Info

Amount :	25 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The Frataxin solution contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MLRTDIDATC TPRRASSNQR GLNQIWNVKK QSVYLMNLRK SGTLGHPGSL DETTYERLAE ETLDSLAEFF EDLADKPYTF EDYDVSFGSG VLTVKLGGDL GTYVINKQTP NKQIWLSSPS SGPKRYDWTG KNWVYSHDGV SLHELLAAEL TKALKTKLDL SSLAYSGKDA.

