9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Frataxin Human

Frataxin Human Recombinant
RCP0873

Product Overview

Name	Frataxin Human

Description

Frataxin Human Recombinant

Accession (Primary)	Q16595

Synonyms

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

Introduction

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The Frataxin solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.5), 1mM DTT, 0.1M NaCl and 20% glycerol.

Stability

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.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

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

Precautions

Frataxin Human is for research use only and not for use in diagnostic or therapeutic procedures.

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Target Information: (Q16595)