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FIS1 Human

Catalog #:PRPS-836

For research use only.

Description:FIS1 Human Recombinant produced in E.Coli is a single, non-glycosylated,polypeptide chain containing 142 amino acids(1-122 a.a.) and having a molecular mass of 16.3 kDa. FIS1 protein is fused to a 20 amino acid His tag at N-terminus and is purified by standard chromatography.

Synonyms:TTC11, Tetratricopeptide repeat domain 11, Fission 1 (mitochondrial outer membrane) homolog (S. cerevisiae).

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MEAVLNELVS VEDLLKFEKK FQSEKAAGSV SKSTQFEYAW CLVRSKYNDD IRKGIVLLEE LLPKGSKEEQ RDYVFYLAVG NYRLKEYEKA LKYVRGLLQT EPQNNQAKEL ERLIDKAMKK DG.

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:
FIS1 protein solution (1mg/ml) containing 20mM Tris-HCl pH-8 and 10% 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.

Usage:
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Introduction:
FIS1 is part of the mitochondrial complex that promotes mitochondrial fission. FIS1 induces cytochrome C discharge from the mitochondrion to the cytosol, eventually leading to apoptosis. FIS1 participates in peroxisomal growth and division. The C terminus is required for mitochondrial localisation, while the N teminus is necessary for mitochondrial fission.

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