
Product Data Sheet

Product Name: FIS1 Human
 Cat. No.: GP23502
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	TTC11; Tetratricopeptide repeat domain 11; Fission 1 (mitochondrial outer membrane) homolog (S. cerevisiae).		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MEAVLNELVS VEDLLKFEKK FQSEKAAGSV SKSTQFEYAW CLVRSKYRDD IRKGIVLLEE LLPKGSKEEQ RDYVFYLA VG NYRLKEYEKA LKYVRGLLQT EPQNNQAKEL ERLIDKAMKK DG.		
Formulation	FIS1 protein solution (1mg/ml) containing 20mM Tris-HCl pH-8 and 10% glycerol.		

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 terminus is necessary for mitochondrial fission.

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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