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# Recombinant human FIS1 protein

Catalog Number: ATGP0562

# **PRODUCT INFORMATION**

# **Expression system**

E.coli

#### **Domain**

1-122aa

#### **UniProt No.**

09Y3D6

#### **NCBI Accession No.**

NP 057152

#### **Alternative Names**

Mitochondrial fission 1 protein, FIS1 homolog, hFis1, Tetratricopeptide repeat protein 11, TPR repeat protein 11, TTC11, CGI-135 protein

## **PRODUCT SPECIFICATION**

# **Molecular Weight**

16.3 kDa (142aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

#### **Purity**

> 95% by SDS-PAGE

#### Tag

His-Tag

# **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

# **Description**

TTC11 is a component of a mitochondrial complex that promotes mitochondrial fission. This protein can induce cytochrome C release from the mitochondrion to the cytosol, ultimately leading to apoptosis. It is also involved in peroxisomal growth and division. The C terminus is required for mitochondrial localisation, while the N teminus is necessary for mitochondrial fission. Recombinant human TTC11, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.



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# **Amino acid Sequence**

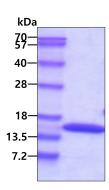
<MGSSHHHHHH SSGLVPRGSH> MEAVLNELVS VEDLLKFEKK FQSEKAAGSV SKSTQFEYAW CLVRSKYNDD IRKGIVLLEE LLPKGSKEEQ RDYVFYLAVG NYRLKEYEKA LKYVRGLLQT EPQNNQAKEL ERLIDKAMKK DG

#### **General References**

Martinou JC., et al. (2003) J Biol Chem. 278(38):36373-9. Yoon Y., et al. (2008) Exp Cell Res. 314(19):3494-507

# **DATA**

# SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

