

Recombinant human FIS1 protein

Catalog Number: ATGP0562

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-122aa

UniProt No.

Q9Y3D6

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 terminus 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.

Recombinant human FIS1 protein

Catalog Number: ATGP0562

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MEAVLNELVS VEDLLKFEKK FQSEKAAGSV SKSTQFEYAW CLVRSKYND
IRKGVLLLE LLPKGSKEEQ RDYVFYLA VG NYRLKEYEKA LKYVRGLLQT EPQNNQAKEL ERLIDKAMKK DG

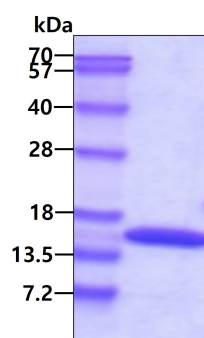
General References

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.