

Datasheet for ABIN1692017

Fission 1 Protein (FIS1) (AA 1-122) (His tag)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	Fission 1 (FIS1)
Protein Characteristics:	AA 1-122
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Fission 1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Mitochondrial Fission 1 Protein/FIS1 (C-6His)
Sequence:	MEAVLNELVS VEDLLKFEKK FQSEKAAGSV SKSTQFEYAW CLVRSKYND D IRKGIVLLEE LLPKGSKEEQ RDYV FYLAVG NYRLKEYEKA LKYVRG LLQT EPQNNQAKEL ERLIDKAMKK DGVEHHHHHH
Characteristics:	Recombinant Human Mitochondrial Fission 1 Protein/FIS1 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Gly122) of Human FIS1 fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Fission 1 (FIS1)
Alternative Name:	FIS1 (FIS1 Products)
Sub Type:	Fusionprotein
Background:	<p>Mitochondrial Fission 1 Protein (FIS1) is a member of the FIS1 family. FIS1 is a single-pass membrane protein and contains one TPR repeat. FIS1 is part of the mitochondrial complex that promotes mitochondrial fission. FIS1 can induce cytochrome C discharge from the mitochondrion to the cytosol, eventually leading to apoptosis. In addition, FIS1 participates in peroxisomal growth and division. The C-terminus of FIS1 is required for mitochondrial or peroxisomal localization, while the N-terminus is necessary for mitochondrial or peroxisomal fission, localization and regulation of the interaction with DNM1L.</p> <p>Alternative Names: Mitochondrial Fission 1 Protein, FIS1 Homolog, hFis1, Tetratricopeptide Repeat Protein 11, TPR Repeat Protein 11, FIS1, TTC11, CGI-135</p>
Molecular Weight:	15.2 kDa
UniProt:	Q9Y3D6
Pathways:	Positive Regulation of Endopeptidase Activity

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months