

## 32-8146: Recombinant Human Mitochondrial Fission 1 Protein/FIS1 (C-6His)

**Gene :** FIS1  
**Gene ID :** 51024  
**Uniprot ID :** Q9Y3D6

### Description

Source: E. coli.  
MW :15.2kD.

Recombinant Human Mitochondrial Fission 1 Protein is produced by our E.coli expression system and the target gene encoding Met1-Gly122 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM Tris, pH 8.0.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MEAVLNELVSVEDLLKFEKFKQSEKAAGSVSKSTQFEYAWCLVRSKYND DIRKGIVLLEELLPKGSKEEQRDYVF YLAVGNYRLKEYEKALKYVRGLLQTEPQNNQAKELERLIDKAMKKDGV EHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.