

## 32-3837: FIS1 Recombinant Protein

**Alternative Name :** TTC11, Tetratricopeptide repeat domain 11, Fission 1 (mitochondrial outer membrane) homolog (S. cerevisiae).

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

**Amount :** 25 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** FIS1 protein solution (1mg/ml) containing 20mM Tris-HCl pH-8 and 10% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SGLVPRGSH MEAVLNELVS VEDLLKFEKK FQSEKAAGSV SKSTQFEYAW  
CLVRSKYND D IRKGI V L L E E L L P K G S K E E Q R D Y V F Y L A V G N Y R L K E Y E K A L K Y V R G L L Q T E P Q N N Q A K E L  
E R L I D K A M K K D G .

