

Datasheet for ABIN7560520
Fission 1 Protein (FIS1) (AA 1-152) (His tag)



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Overview

Quantity:	1 mg
Target:	Fission 1 (FIS1)
Protein Characteristics:	AA 1-152
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Fission 1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Fis1 Protein expressed in mammalien cells.
Sequence:	MEAVLNELVS VEDLKNFERK FQSEQAAGSV SKSTQFEYAW CLVRSKYNED IRRGIVLLEE LLPKGSKEEQ RDYVFYLA VG NYRLKEYEKA LKYVRGLLQT EPQNNQAKEL ERLIDKAMKK DGLVGM AIVG GMALGVAGLA GLIGLAVSKS KS Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalien cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.

Product Details

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	Fission 1 (FIS1)
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Alternative Name:	Fis1 (FIS1 Products)
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Background:	Mitochondrial fission 1 protein (FIS1 homolog) (Tetratricopeptide repeat protein 11) (TPR repeat protein 11),FUNCTION: Involved in the fragmentation of the mitochondrial network and its perinuclear clustering (PubMed:23283981). Plays a minor role in the recruitment and association of the fission mediator dynamin-related protein 1 (DNM1L) to the mitochondrial surface and mitochondrial fission (PubMed:23283981). May not be essential for the assembly of functional fission complexes and the subsequent membrane scission event (By similarity). Also mediates peroxisomal fission (By similarity). May act when the products of fission are directed toward mitochondrial homeostasis, mitophagy, or apoptosis (By similarity). Can induce cytochrome c release from the mitochondrion to the cytosol, ultimately leading to apoptosis (By similarity). {ECO:0000250 UniProtKB:Q9Y3D6, ECO:0000269 PubMed:23283981}.
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Molecular Weight:	17.0 kDa
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UniProt:	Q9CQ92
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Pathways:	Positive Regulation of Endopeptidase Activity
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
