

Product datasheet for **RN205030**

Fis1 (NM_001105919) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fis1 (NM_001105919) Rat Untagged Clone
Tag: Tag Free
Symbol: Fis1
Synonyms: Ttc11
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN205030 representing NM_001105919
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCAGAGATGAAGCTGCAAGGAATTTTGAAGGAAATTTTCAGTCTGAGCAGGCAGCTGGCTCTGTGT
CCAAGAGCACGCAGTTTGAATACGCCTGGTGCCTGGTTCGAAGCAAATACAATGACGACATCCGTAGAGG
CATCGTGTCTGGAGGAGCTGTTGCCAAAGGTAGCAAAGAGGAGCAGCGGGATTATGTCTTCTACCTG
GCCGTGGGCAACTACCGCTCAAGGAATATGAAAAGGCTCTGAAGTATGTGCGGGGACTGTTACAGACTG
AGCCCCAGAACAACCAAGGCAAGGAGCTGGAACGCCTGATTGACAAGGCCATGAAGAAAGATGGACTGGT
AGGCATGGCCATTGTTGGTGGCATGGCCCTGGGTGTGGCGGGCCTGGCTGGACTCATTGGACTGGCTGTG
TCCAAGTCCAAATCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001105919
Insert Size: 438 bp
OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001105919.1</u> , <u>NP_001099389.1</u>
RefSeq Size:	948 bp
RefSeq ORF:	438 bp
Locus ID:	288584
UniProt ID:	<u>P84817</u>
Cytogenetics:	12q12
Gene Summary:	Involved in the fragmentation of the mitochondrial network and its perinuclear clustering. 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. Can induce cytochrome c release from the mitochondrion to the cytosol, ultimately leading to apoptosis. Also mediates peroxisomal fission (By similarity).[UniProtKB/Swiss-Prot Function]