

## Product datasheet for **MC201086**

### Fis1 (NM\_025562) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fis1 (NM\_025562) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fis1  
**Synonyms:** 2010003O14Rik; Ttc11  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC010783 sequence for NM\_025562  
GCCTCTCCGCCCTGCTACTGGACCATGGAGACTGTGGCCAGTAGAGACCTTAGTGTGAGGCTTTCAGG  
GGCGGCGGCCATGGAGGCCGTGCTGAACGAGCTGGTGTCTGTGGAGGATCTGAAGAATTTGAAAGGAAA  
TTTCAGTCTGAGCAGGCAGCTGGTTCTGTGTCCAAGAGCACGCAATTTGAATATGCCTGGTGCCTGGTTC  
GAAGCAAATACAATGAGGACATCCGCAGAGGCATCGTGTCTGGAGGAGCTGTTGCCAAAGGGAGCAA  
AGAGGAACAGCGGGACTATGTCTTCTACCTGGCCGTGGGCAACTACCGGCTCAAGGAATATGAAAAGGCT  
CTAAAGTATGTGCGAGGGCTGTTGCAGACTGAGCCCCAGAACAACCAGGCCAAGGAGCTGGAACGCCTGA  
TTGATAAGGCCATGAAGAAAGATGGACTGGTAGGCATGGCCATCGTTGGTGGCATGGCCCTGGGCGTGGC  
AGGCCTGGCTGGACTCATTGGACTGGCTGTCTCCAAGTCCAAATCCTGAAGGCAGCCTCACCTGCTCTCT  
GCCCGGGACGCCTAGGAGCCTGGGGGACTGGAAGAGGGGCTGTCCACCCTCACCATCGCCTCCCCG  
TTTCTCCTGCACCCTGTAGTCTACCTCTACAGTCTCCATGACCCCCAGCCTCTTAGCCCTGCACCTGT  
CGTTAAACCTGTCATGCTTTGCAATGAGTGTAATAAAATTGGGCCGTGGCTCGGGAAAAAAAAAAAAAAA AAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_025562

**Insert Size:** 459 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).

**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).



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**Reconstitution Method:**

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:** [BC010783](#), [AAH10783](#)

**RefSeq Size:** 773 bp

**RefSeq ORF:** 459 bp

**Locus ID:** 66437

**UniProt ID:** [Q9CQ92](#)

**Cytogenetics:** 5 G2

**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. May be not essential for the assembly of functional fission complexes and the subsequent membrane scission event. Can induce cytochrome c release from the mitochondrion to the cytosol, ultimately leading to apoptosis. Also mediates peroxisomal fission.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longer isoform (1).