

Product datasheet for **RC202560**

TTC11 (FIS1) (NM_016068) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TTC11 (FIS1) (NM_016068) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TTC11
Synonyms: CGI-135; TTC11
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC202560 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCCGTGCTGAACGAGCTGGTGTCTGTGGAGGACCTGCTGAAGTTTAAAAGAAATTCAGTCTG
AGAAGGCAGCAGGCTCGGTGTCCAAGAGCACGCAGTTTGTAGTACGCCTGGTGCCTGGTCCGGAGCAAGTA
CAATGATGACATCCGTAAGGCATCGTGTCTCGAGGAGCTGCTGCCAAAGGGAGCAAGGAGGAACAG
CGGGATTACGTCTTCTACCTGGCCGTGGGAACCTACCGGCTCAAGGAATACGAGAAGGCCTTAAAGTACG
TCCGCGGGTTGCTGCAGACAGAGCCCCAGAACAACCAGGCCAAGGAACCTGGAGCGGCTCATTGACAAGGC
CATGAAGAAAGATGGACTCGTGGCATGGCCATCGTGGGAGGCATGGCCCTGGGTGTGGCGGACTGGCC
GGACTCATCGGACTTGCTGTGTCCAAGTCCAAATCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC202560 protein sequence
Red=Cloning site Green=Tags(s)
MEAVLNELVSVEDLLKFEKKFQSEKAAGSVSKSTQFEYAWCLVRSKYND DIRKGI V LLEELL PKGSKEEQ
RDYV FYLAVGN YRLKEYEKALKYVRGLLQTEPQNNQAKELERLIDKAMKDG LVGM AIVGGMALGVAGLA
GLIGLAVSKSKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6143_d07.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016068

ORF Size: 456 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_016068.3](#)

RefSeq Size: 785 bp

RefSeq ORF: 459 bp

Locus ID: 51024

UniProt ID: [Q9Y3D6](#)

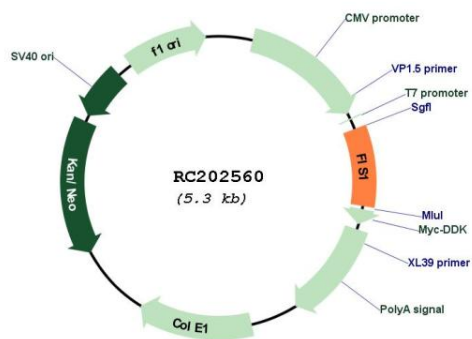
Cytogenetics: 7q22.1

Protein Families: Transmembrane

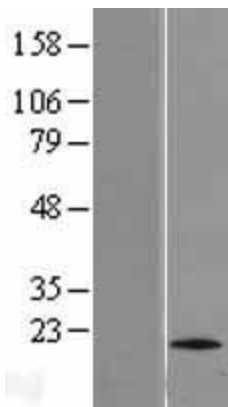
MW: 16.9 kDa

Gene Summary: The balance between fission and fusion regulates the morphology of mitochondria. TTC11 is a component of a mitochondrial complex that promotes mitochondrial fission (James et al., 2003 [PubMed 12783892]).[supplied by OMIM, Mar 2008]

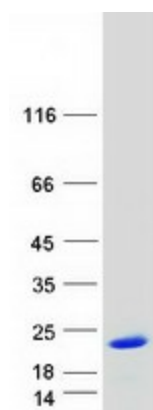
Product images:



Circular map for RC202560



Western blot validation of overexpression lysate (Cat# [LY402496]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202560 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FIS1 protein (Cat# [TP302560]). The protein was produced from HEK293T cells transfected with FIS1 cDNA clone (Cat# RC202560) using MegaTran 2.0 (Cat# [TT210002]).