

Product datasheet for **MC226733**

Mtif3 (NM_001256100) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mtif3 (NM_001256100) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mtif3
Synonyms: 2810012L14Rik; AI414549
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC226733 representing NM_001256100
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGTTCTTCTGATGAGGTTGATGCTACAACTACAAAGCTTGACCATAACTTAATTGGAAGATGTT
 TGCAAAGACACGCTGTGAAGCCAGATCCAGCACAGCTGTCCTGTCTGCGTCCACCCAAAGCTGTTGTA
 CCTGACTTCTGCAAAGGTTTTAGTACTGCTGGAGACCCACAGGGTGAGAGGAAACAGAAAAGAAGGGAT
 GCTTTCTCTAACACCGGCCGGAAGATTAGTGAAGGATTATCCGCGTCTGGATGAGAAGGGCATGGACC
 TGGGGATGATGCATCGAGCAGATGTGATCAGACTCATGAACAAGCAGGACCTGAGGCTGGTGCAGAGGAA
 CACCAGCTCAGAGCCACCGGAGTACCAGCTTATGACCGGAGAGCAGATCCACCAGGAGCGGCTAAAGCTC
 CGGGAACAGGAAAAGGCCAAACCCAAAACCTGGACCAACTATGACGAAAAGAGCTCGTTTTCTTCAATA
 TTGGACAGCAGATTTAGACACCAAGAGTAAACAGATCCAGCAGTGGATAGAGAAGAAATACCACGTTCA
 AGTCACGATAAAGAGGAGGAAAGATGCGGAGCAGTCAGAGGAGGAAACGGAGGAGATATTTAACCAGATT
 CTCCAGACTATGCCTGACATAGCAACCTTCTCAAGCAGACCAAAAGCCATCAGAGGAGGGACTGCTTCCA
 TGTGTGTTTTTCGTCACCTTGAGCAAGAAAGAAGAAAAGGCGTACAGAGAATCCCAGGAGAGCCAGAGAAG
 AGACACTTTGAGCAAAGACGACGACGGAACAGCAAAGAGTCCGGATGTTGTGTGTG**CAGTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001256100
Insert Size: 831 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001256100.1</u> , <u>NP_001243029.1</u>
RefSeq Size:	5139 bp
RefSeq ORF:	831 bp
Locus ID:	76366
UniProt ID:	<u>Q9CZD5</u>
Cytogenetics:	5 G3
Gene Summary:	<p>IF-3 binds to the 28S ribosomal subunit and shifts the equilibrium between 55S ribosomes and their 39S and 28S subunits in favor of the free subunits, thus enhancing the availability of 28S subunits on which protein synthesis initiation begins.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) is the longest transcript. All five variants encode the same protein.</p>