

Product datasheet for **MC226734**

Mtif3 (NM_001256101) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mtif3 (NM_001256101) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mtif3
Synonyms: 2810012L14Rik; AI414549
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226734 representing NM_001256101
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGTTCTTCTGATGAGGTTGATGCTACAACTACAAAGCTTGACCATAACTTAATTGGAAGATGTT
TGCAAAGACACGCTGTGAAGCCAGATCCAGCACAGCTGTCCCTGTCTGCGTCCACCCAAAGCTGTTGTA
CCTGACTTCTGCAAAGGTTTTAGTACTGCTGGAGACCCACAGGGTGAGAGGAAACAGAAAAGAAGGGAT
GCTTTCTCTAACACCGCCGGAAGATTAGTGAGCGGATTATCCGCGTCTGGATGAGAAGGCATGGACC
TGGGGATGATGCATCGAGCAGATGTGATCAGACTCATGAACAAGCAGGACCTGAGGCTGGTGAGAGGAA
CACCAGCTCAGAGCCACCGGAGTACCAGCTTATGACCGGAGAGCAGATCCACCAGGAGCGGCTAAAGCTC
CGGGAACAGGAAAAGGCCAAACCCAAAAGCTGGACCAACTATGACGAAAGAGCTCGTTTTCTTTCAAATA
TTGGACAGCAGATTTAGACACCAAGAGTAAACAGATCCAGCAGTGGATAGAGAAGAAATACCACGTTCA
AGTCACGATAAAGAGGAGGAAAGATGCGGAGCAGTCAGAGGAGGAAACGGAGGAGATATTTAACCAGATT
CTCCAGACTATGCCTGACATAGCAACCTTCTCAAGCAGACCAAAAGCCATCAGAGGAGGGACTGCTTCCA
TGTGTGTTTTTCGTCACCTTGAGCAAGAAAGAAGAAAGGCGTACAGAGAATCCCAGGAGCCAGAGAAG
AGACACTTTGAGCAAAGACGACGACGGAACAGCAAAGAGTCGGATGTTGTGTGTCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001256101
Insert Size: 831 bp



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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_001256101.1, NP_001243030.1</u>
RefSeq Size:	5128 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 (2) differs in the 5' UTR compared to variant 1. All five variants encode the same protein.</p>