

Product datasheet for **MC206786**

Mtif2 (BC016590) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mtif2 (BC016590) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mtif2
Synonyms:	2310038D14Rik; 2410112O06Rik; IF-2(Mt); IF-2mt; IF2(mt)
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC016590
 GGGCGACCTCGCCTGGGAGTTGAGAGAAATATGAACCAGAAGCTACTGAAGTTGGAAAACCTGCTACGAT
 TTCATACTATTTGTAGGCAGGTGCACAGCCCAAGTCAAAGAAGACTCTTAGCATGGTGTAGACATGGGTT
 TGCACCGGCTTCCCTCAGTGTGGAGAGATCTGCTGGGTGCCCGTCTGGCAGACAGACATGCTCATTGGT
 TCAGCTTTGCATCAGCACAGACTTCTTGTAAACAAAGAAGAAAAAGACCACCAAGATCTCAGTTGTCTC
 CAGTAAAAACTAAAAAGAGGTAGAAGTATGGGTTGGAATGACTGTTGAAGATCTAGCCAGTGCCATGGC
 AAAAGATATAGATTGTGTATACGAAGCTTTATTGAACACTGCCATTGACGTAGATTCAATAGAAGCAAAC
 TCACATTTAGATGAAGTCTGGATCAAAGAAGTTATAAAGAAGGCAGGAATGAAGCTGAAATGGAGCAAAT
 TAAACAGGAAAGAAATTAGAGAAAAATAAGATGCTGTGAGAAGGCCTGGGACAGATCCAGCTTTATTAA
 ACCAAGGTCCCCAGTTGTTACTGTAATGGGCCATGTTGATCATGGGAAAACGACCTTACTTGACAAACTT
 CGAGAACTCAAGTTGCAGCGATGGAAGTCGGAGGCATCACTCAACACATTGGTGTCTTTCTGTCTCTC
 TGCCTTCTGGAGAAAAGATAACTTTTCTGATACTCTGGACATGCTGCCTTCTCAGCAATGAGAGCCAG
 AGGAGCTCAGGTCACCGACATTGTTGTGTTGGTTGTAGCTGCAGATGATGGGTAATGAAACAACTGTG
 GAATCCATTGAGCATGAAAAGATGCAGAAGTTCCTATTATCCTTGAATCAATAAGTGCACAAGACAG
 ATGCTGATCCTGAAAAGGTGAAAAAGAGCTCCTAGCTTACGATGTGGTGTGTAAGAGTATGGTGGTGA
 TGTTCAAGCAGTGCACGCTCTGCACTTACGGGCGATAACCTGATGGCTTTGGCAGAAGCAACAATTGCT
 CTCGCAGAAATCTTGAAGTAAAGCAGATCCCACCGTCCAGTGAAGGAACAGTAATAGAGTCTTTCA
 CAGACAAAGGAAGAGGTCTGTTACAACAGCTATAATTCAAAGAGGAACTCTGAGAAAAGGCTCAATTCT
 AGTTGCTGGGAAGAGTTGGGCAAAAGTTGACTAATATTTGATGAAAATGGAAAATACTTAATGAGGCC
 TATCCCAGCATGCCAGTGGGAATCATAGGCTGGAGAGACCTTCTTCTGCAGGAGATGAAATTTTGAAG
 TAGAATCTGAGCAAGGGCCCGTGAAGTATTGAATGGAGGAAGTCTGAGCAAAAAGAAGAAAAAGGCAA
 AGATGACCTGAAAATAATGGAAGAAAAGCGAAGGGAACACCAAGAAGCGCATCGGAAAGCCCGTGAGAAG
 TATGGCAGTCTGCACTGGAAGAGAGATCATATATAAGTTTCTTGAAGGAAACAACAGAGACCCTTAA
 AGCCCAAAGAAAAGGTAGAAAGCAATCAATGTACTTCTATAATTATTAAAGGTGACGTTGATGGGTC
 TGTGGAGGCCATCTTGAACCTTCTGGATACCTACGATGCTTCCACGAATGTGAAGTGAATAGTACAT
 TTTGGATTGGGTGACATCAGTGAATGATGTTACCTTTGCTGAGACATTTGATGGTGTATTATGGTT
 TTAATGTGGAGGCAGGCAGTGTCTATTGAGGATTTGCAGGAGGAACTAAGCAGCAGATTGCCACACACTGGAGGAG
 AACCATCTACCATCTTATTGAAGATTTGCAGGAGGAACTAAGCAGCAGATTGCCACACACTGGAGGAG
 TACCCAATAGGTGAGGCTTCTATACTAGCTACCTTCACTGTAACAGAAGGGAAGAAAAAATTCCTGTTG
 CTGACTGCAGAGTTCAAAGGGACAATTAGAAAGACATAAGAAGTTTAAATTAATCCGAAACGGCCAAGT
 TATTTGGAAGGGATCATTAACTCTCTGAAACACCATAAAGATGACATTTAGTTATAAAAACCTGGTATG
 GACTGTGGTCTTAGTTTAGATGAAGAAAAGTCAATTCAAACCGGAGATCAAGTCATTTGTTATGAAG
 AAAATAAAGTTCCAACCTAAGACTTCTGGGATCCAGGATTTTAAAGCACATTAATAAATGGTAAATGGGA
 AGCCGGGTGTGGTGGTGCACGCCTTAAATCCCAGCACTTGGGTGGCAGAGGCAGGCGGATTTCTGAGTTC
 GAGGCCAGCTGGTCTACAAAGTGAGTTCCAGGACAGCCAGAGCTATACAGAGAAACCCTGTCTCGGAAA
 AACCAAAAAAATAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC016590

Insert Size: 2184 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).

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: [BC016590](#), [AAH16590](#)

RefSeq Size: 2409 bp

RefSeq ORF: 2184 bp

Locus ID: 76784

Cytogenetics: 11 A3.3

Gene Summary: One of the essential components for the initiation of protein synthesis. Protects formylmethionyl-tRNA from spontaneous hydrolysis and promotes its binding to the 30S ribosomal subunits. Also involved in the hydrolysis of GTP during the formation of the 70S ribosomal complex (By similarity).[UniProtKB/Swiss-Prot Function]