

Product datasheet for **RN210138**

Mtif2 (NM_001004254) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mtif2 (NM_001004254) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mtif2
Synonyms:	MGC94962
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210138 representing NM_001004254
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCAGAAGCTACTGAAGTTGGAAAAGTTGCTACGATTTCACTATTTGTAGGCAATTGCACAGCC
 TGAGTCAAAGAAGATTGTTAGCATGGTGAAGCATGGGTCTGCACCGCTTCCCCAGTGTGGCAGATTG
 GCTGTGTGCCCGCCTTGCCCGACAGACGTGCTTACTGGTTCAGCTTTGCATCAGCACAGACTTCTTGTT
 ACAAAGAAGGAAAAACGACCACCGAGATCTCAGTTGTCTCCAATAAAAACTAAAAAGAGGTAGAAGTAT
 GGGTTGGAATGACTGTTGAAGAACTAGCCAGAGCAATGGCAAAGACACAGATTGTATATGAAGCTTT
 ATTGAACACCGCCATTGACATAGACTCACTAGAAGCAAACCTCACATTTAGACGAAGTCTGGATCAAAGAA
 GTTATAAAGAAGGCAGGAATGAAGCTGAAATGGAGCAAATTAAACTGGAGAGAATAAGAGAAAAAAGG
 ATGCTGTGAGAAGCCTGGGCAGATCCAGCTTTACTAAAGCCAAGGTCCCCAGTTGTTACTATAATGGG
 TCATGTTGATCATGGGAAAACGACCTTACTTGACAACTTCGGGAACTCAAGTGGCAGCGATGGAAGTT
 GGAGGCATTACTCAACATATTGGTGCTTTTCTGTCTCTCTGCCTTCTGGAGAAAAGATAACCTTTCTTG
 ATACTCCGGGACATGCTGCTTCTCAGCAATGAGAGCTAGAGGAGCTCAGGTCACATGACATTGTTGTGTT
 GGTTGTAGCTGCAGATGATGGGGTAATGAAACAACTGTGGAATCCATTGACACGCCAAGGATGCAGGA
 GTTCTATTATCCTTGAATAAAATAATGTGACAAGACAGATGCTGATCCTGAAAAGGTGAAAAAGAGC
 TCCTGGCTTATGATGTGGTGTGTGAAGAGTATGGTGGTGTGTTCAAGCAGTGCACGTCTCTGACTAAC
 AGGAAAGAACCTGATGGCTTTGGCAGAAGCACAATTGCTCTCGCAGAAATGTTGGAAGTAAAGCAGAT
 CCCACAGGCCAGTGAAGGAACAGTAATAGAGTCTTTCACAGACAAAGGAAGAGGTCTGTTACAACAG
 CTATAATTCAAAGAGGAACCTGAAAAAAGGCTCAATTTAGTTGCTGGGAAAGAGTTGGGCAAAAGTTTCG
 ACTAATGTTTGTGAAAAATGAAAAACAGTTAATGAGGCCTATCCTAGCATGCCAGTGGGAATCATAGGC
 TGGAGAGACCTCCCTTCTGCAGGAGATGAAATCTTGAAGTACAGTCTGAGCCAAGGGCCCGTGAAGTTG
 TTGACTGGAGGAAGTCTGAGCAAAAAGAAGAAAAGGGCAAAGTACCTGAAAATAATGGAAGAAAAGCG
 AAAGGAACACCAAGAAGCACATCGGAAAGCCCGTGAAGATGAGCAGCCTGACTGGAAGCAGAGATCA
 TATATAAAGTACCTTGAAGAAAAGAACAGAGACCCTTAAAGCCAAAGAAAAGGTAGAAAAGGACTCAA
 ATGTACTTCTATAATTATTAAGGTGACGTTGATGGGTCTGTGGAGGCCATCTGAACCTTCTGGATAC
 CTATGATGCTTCCCATGAATGTGAAGTGAATAGTGCATTTGGATTGGGTGACATCAGTGAAGTATGAT
 GTTACCTTTGCTGAGACATTTGATGGTGTATTTATGGCTTAAATGTGGATGCAGGCAGTCTATCCAGC
 AGTCAGCTGCACAAAAGGGAGTCAAGATTAACCTTCACAAAATCATCTACCATCTTATTGAAGATTTGCA
 GGAGGAAC TAAGCAACAGATTGCCCTACAAGGTGGAGGAGTACCCAATAGGTGAGGCTTCTATACTAGCT
 ACCTTCACTATAACAGAAGGGAAGAAAAAGTTCTGTTGCTGGCTGCAGAGTTCAAAGGGACAGCTAG
 AAAGACAGAAGAAGTTTAAATTAATCCGCAACGGCCAAGTTATTTGGAAGGGCTCATTAACTTCGCTGAA
 ACACCATAAAGATGACGTTTTAGTTATAAAAACTGGTGTGGACTGTGGTCTTAGTTTAGATGAAGAAAAC
 GTAGAATTTAAAGTGGGCGATCAAGTTATCTGTTATGAAGAAAATAAAGTACCAACTAAGACTTCTGGG
 ATCCAGGATTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001004254

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:	<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_001004254.1, NP_001004254.1</u>
RefSeq Size:	2259 bp
RefSeq ORF:	2184 bp
Locus ID:	305606
Cytogenetics:	14q22
Gene Summary:	member of the p160 family of nuclear receptor coactivators; during protein biosynthesis, Mtif2 catalyzes the binding of the tRNA to the small subunit of the ribosome in a GTP-dependent manner [RGD, Feb 2006]