

Product datasheet for **RN202139**

Mtbp (NM_001130717) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mtbp (NM_001130717) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mtbp
Synonyms:	RGD1565672
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202139 representing NM_001130717
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATCGGTA**CTT**GCTGCTGGT**CAGCT**GGAGGGAAGGAAAGTTCCGATCCGTGGCTGGTGGGGAGATGG
 AGCCCGGACTGAGGCGTCATCCCTGGAGAGCACCGAGAAACAGCCTCATT**T**GACAGCAACCAATATTTA
 TCACCTCTTGAAGAGAAGCATTAA**T**GATTCAATCCATCCAGATGATAGTACGTTCCCCGCTTGTTCAGT
 GGCGCACCCCTCACTCCAGGAAGTGGTCTTTGCAGCGCAAGCAATATGTGGATTTACCAGTTCTGTA
 GTTCTGATTGGCAAGAGATACATTT**CGAT**GCTGAAAAAGATAAAATCGAAGATGTCCTTCAAGCAATGT
 GGAAGAATGTCAGAGCGCTGTTGAGTGC**TT**GAAAGAAGATGACAGTAATAGCAGGGAGTCCCTGTCCTTG
 GCTGATCTATGAAGAATCAGCAGAAAATCTGCATCAGTTATCAGACAAGCTTCTGCTCTGGTAGAG
 CAATGATAGATGTAATACTATTGCCTTCTGACAAAGATCCTCTAAATTAAGAGTGTCTGCCATTGT
 GGGGGCTTGAACATCTGAAGGAATGGCATT**CAG**CAAAAGTTATCGTAGCAGGAAGTCACTGCGAGACA
 AATTGTCAGAAAATTGCAGAATACCTTT**CAG**CTACTGTTGTACCTTTAGAGGAGTTCGGAATGCCATTG
 ACTCGAGGGA**ACT**GTGGAGGGGAGAGATTCAGATGCGGGAACGAAAGTTTGGATTGAAGTAAATTTCC
 TGAATTTTGTAAAAGGAGTTACACCTACAAATGTTAGTGCATATAATTTAAATACCTGCTTCTTGCC
 AAAAGATAGCATCATCTAAGGTTTCCATTATATGGTCTGCTTTAGAATTTGTGCAGATGATAAAAT
 TATCAGATCTTCCCTCCTGTTACGTGTCGGATATCGAATTTGAGTTAGAGGTGACTGGGCACTGCACAAG
 GCAGAATCCATGCTGCTGTTGGAA**CAGAT**CTCTCCCTGTGTGGCAAGGTTGGTCTCTTTCTATTG
 CCATGTACCATTAGTAATGTACTTCTCCACCTCCCAACCAACTGGCCTCAAGAAAGTGAAGGAATACA
 TAGTAAAGAGCCCAAGACCATCAGTGTCCCCGACGTCGACGTGAAAGGAGAGTTTCTGGCTATCATCT
 CCTGCTGCAAGGGCAGTGGCAGGAGGAAGTGCAGAGCCACGCTGCTTCACTCGGCCAGCCAGATCAATGGC
 TCGGTGCACTCACTCTCATTATGGAAGATGAAAGCAAGGACAGAAGCAGCCAGCCAGTTTCCCTT
 TTGACTTCTCACTCCCAAGT**TTTT**CTGAGGAGCAGGTTTACAGAGAGAGAAACAATAGCCAGCGT
 TCAAGTTTGGCTTGAAGAAATGCCTGAAAAGAAAGGCTGCAAACAGCCTGAAGCTGTTTCTACT
 GATGA**ACT**CAAAAGTCTGTTGGCGCTCACAAAGGAGCGCTTCTAGATCGCTTGTGTTCTCACCCCTA
 AAGCAGTTTTAACACAGACAGACACCATGAAAGCTGCTGGCATGGTAAATGATGCCAGTAGAGTTGAATC
 TTATTCTCAAGTTCAATGGAAACCAATCCTCTGGAATGGCCAGAAAGACAGTTCTT**CAGA**ATTTAGAA
 ACTTCTGAAAAGCTAAACAAAAATGAGA**ACT**GGCTCATTACCGCATTCCGGCTGAACAGTTGCTGGGCC
 ATAAAGAGGGTCCCGGGACTCAATCACATTACTGGATGCTAAGGAATTGCTGAAATATTTACCTCGGA
 GGGATTACCAGTCGGAGATCTT**CAG**CCGTTACAGATTCAAAGGGGGGAAAAGCCTTTTGTTTGACACCA
 GAGCTTAGTCTGGAAA**ACT**T**CAGAT**CTTACCTTTTAAAAAGCCTCGGAATGCCATTACCACGGGATTG
 AATATTGCCTGGATGACCAGAAAGCTTTAGAAAGAGATGGGGGATTTTCTGA**ACT**TCAATCTCGCCTTAT
 TCGTTATGAGACCCAGACCACCTGCACCAGAGACAGTTTTCCAGTCCCACCGTGTGGAGCCCTTCCG
 TCCCTGCAGTTCTGT**CAG**AGCCTCAGAGTGTCCCTGAAGGAGACGCATTGCAAGGCGAACTCCGA**ACT**G
 AAGTTTCTGGATTGAAACGGAGATCTAAAGACGCCAGTTGCCTTTACCC**CAG**AAAAGAATTACAAAATC
 AGAAAGTCTGATTGTTTGTCTTCTCAAGCAAGTTGCAATAGCAATCATTACCATCAGTAGGGACATCC
 AGGAAGCCTCAGGCAGAGCGCTGTGT**CAG**TGCTTCCACTTCCCTGGTGGGAAGCTTCCAAAGTTACTG
 TAAAGACCA**GTT**CAGGACAAAAACGAGCACAGAAATCAAATCATCAAAGCAAATTAAGGAATCTCGATC
 CCAGAAACATACCGGATGCTGAAGGAGGTGGT**GAC**AGAAACCTTGAAGAGACACCA**CAT**CACCGAGGCC
 CATGAGAGCTTTGATGCCTGCAGCCAGAGGCTTTT**GAC**ATCTCCAAGTTCTACCTGAAGGATCTAAAAA
 CATCAAGGGTCTCTTTGAAGAAATGAAGAAAACGCCAAACAATGTGGTGCAGGTGATCGAATGGGT
 GGTAGAAAAGATGAGCAAGAGAT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001130717

Insert Size:	2685 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_001130717.1</u> , <u>NP_001124189.1</u>
RefSeq Size:	3294 bp
RefSeq ORF:	2685 bp
Locus ID:	500870
Cytogenetics:	7q32