

Product datasheet for MC211396

Mrgbp (NM_028479) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mrgbp (NM_028479) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mrgbp
Synonyms: 1600027N09Rik; AW060503; C80444
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC211396 representing NM_028479
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGGAGGCCGAGGTGGGCGGCACGGGCGCCCCAGGCGACAAGGGCCAGGCGAGGCAGCCCCGAGCC
 CTGCTGAGGAGACGGTGGTGTGGAGCCCTGAGGTGGAAGTGTGCCTCTTCCACGCCATGCTGGGCCACAA
 GCCTGTCGGGGTGAATCGGCACTTCCACATGATTTGTATCCGAGACAAGTTCAGCCAGAATATTGGGCGC
 CAGGTTCCATCCAAGGTGATCTGGGACCATCTGAGCACTATGTACGACATGCAGGCACTGCACGAGTCTG
 AGATTCTCCATCCCAAATCCAGAGAGGAACCTTGTCTTCCAGATGAGATCATTCCAGGAAGTCCGAGA
 AGGAAAAGTGGTCATTGAAGAAGAAATGAAGGAGGAGATGAAGGAGGATGTGGACCCCCACAGTGGGGCT
 GATGATGTTTTTTCATCTTCAGGGAGCTTGGGAAAGCATTAGAAAAATCCAGCAAAGACAAGAGAAGA
 ACTCCTCAGACTTGGGGTGCAAAGAAGGGGCAGACAAGCGGAAGCGCAGCCGGGTCACTGACAAGGTCTT
 GACTGCCAACAGCAATCCCTCCAGCCCCAGTGCTGCCAAGAGGCGCCGCACAT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_028479
Insert Size: 615 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).
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_028479.1</u> , <u>NP_082755.1</u>
RefSeq Size:	1192 bp
RefSeq ORF:	615 bp
Locus ID:	73247
UniProt ID:	<u>Q9DAT2</u>
Cytogenetics:	2 H4
Gene Summary:	<p>Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>