

Product datasheet for **MC227103**

Gm21992 (NM_001290128) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gm21992 (NM_001290128) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gm21992
Synonyms: Rbm14-rbm4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227103 representing NM_001290128
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGAAGATTTTTGTGGGCAATGTCGATGGGGCGGATACGACACCGGAGGAGTTGGCAGCTCTCTTCGCGC
 CCTATGGCACGGTCATGAGCTGCGCCGTCATGAAACAGTTTGCCTTCGTGCACATGCGCGAGAACCGTGG
 CGCGGTGCGCGCCATCGAGGCCCTGCATGGCCACGAGCTGCGTCCAGGTCGCGCGCTCGTGGTGGAGATG
 TCGCGCCCGAGGCCCTGAACACTTGAAGATTTTCGTGGCAATGTATCGGCTGCATGTACAAGTCAGG
 AATTGGCAGCCTCTTCGAGCGCGTGGACGCGTCATCGAGTGTGACGTGGTAAAAGGCAACGAATGCA
 CGTGCAGTTGTCCACAGCCGGCTTAGGACCGCGCCGGGATGGGAGACCAGAGCGGCTGCTATCGGTGC
 GGGAAAGAGGGGCACTGGTCCAAAGAGTGTCCAATAGATCGTTCCGGCCGCGTGGCAGACTTGACCGAGC
 AATAAATGAGCAATATGGAGCAGTGCCTACGCCCTACACCATGAGTTATGGGGATTCAATTGATTACAA
 CAACACGTACGGAGCGCTCGATGCCTACTACAAGCGCTGCCGTGCTGCCCGTCTATGAGGCAGTGGCA
 GCTGCAGTGCCTCTGCGTATAGTAACATGCAGAGCAGACTTGTCTCAGCTGCCACAAGTCCAGAACA
 CAGCCATGGCCAGTCACCTCACCTCCACTCTCGATCCCTACAATAGACATCTGTTGCCCGCTTCAGG
 AGCTGCAGCAGCAGCAGCTGCTGCTGTGTACTGCACTTCTACTTCATATTACGGCGGGATCGG
 AGCCCCCTGCGTCGCGCTACAGGCCAGTCTCACTGTTGGAGAGGGCTACGGTTACGGGCATGACAGTG
 AGTTGTCCCAAGCTTCAGCAGCTGCTCGGAATCCCTGTACGACATGGCCCGGTATGAGCGGGAGCAGTA
 TCGGGATCGGGCGCGGTACTCAGCCTTT**TAA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-RsrII
ACCN: NM_001290128



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Insert Size:	1011 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).
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_001290128.1, NP_001277057.1</u>
RefSeq Size:	2420 bp
RefSeq ORF:	1011 bp
Locus ID:	102902673
Cytogenetics:	19
Gene Summary:	<p>This locus represents naturally occurring readthrough transcription between the neighboring Rbm14 (RNA binding motif protein 14) and Rbm4 (RNA binding motif protein 4) genes. Alternative splicing results in multiple transcript variants, some of which encode fusion proteins that share sequence identity with each individual gene product. A slight modification was made to the summary, since not all variants are protein coding [provided by RefSeq, Jun 2018]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a.</p> <p>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>