

Product datasheet for **RG200777**

hnRNP G (RBMX) (NM_002139) Human Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | hnRNP G (RBMX) (NM_002139) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | RBMX |
| Synonyms: | hnRNP-G; HNRNPG; HNRPG; MRXS11; RBMXP1; RBMXRT; RNMX |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG200777 representing NM_002139 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTGAAGCAGATCGCCAGGAAAGCTCTTCATTGGTGGGCTTAATACGGAACAAATGAGAAAGCTC
TTGAAGCAGTATTTGGCAAATATGGACGAATAGTGAAGTACTCTTGATGAAAGACCGTGAACCAACAA
ATCAAGAGGATTTGCTTTTGTACCTTTGAAAGCCAGCAGACGCTAAGGATGCAGCCAGAGACATGAAT
GGAAAGTCATTAGATGGAAAAGCCATCAAGGTGGAACAAGCCACCAACCATCATTTGAAAGTGGTAGAC
GTGGACCGCTCCACCTCAAGAAGTAGAGGCCCTCAAGAGGTCTTAGAGGTGGAAGAGGAGGAAGTGG
AGGAACCAGGGGACCTCCCTCACGGGAGGACACATGGATGACGGTGGATATTCCATGAATTTAACATG
AGTTCTTCCAGGGGACCACTCCCAGTAAAAAGAGGACCACCACCAAGAAGTGGGGTCTCTCCTAAGA
GATCTGCACCTTCAGGACCAGTTCGAGTAGCAGTGGAAATGGGAGGAAGAGCTCCTGTATCACGTGGAAG
AGATAGTTATGGAGGTCCACCTCGAAGGGAACCGCTGCCCTCTCGTAGAGATGTTTATTTGTCCCAAGA
GATGATGGGTATTCTACTAAAGACAGCTATTCAAGCAGAGATTACCAAGTTCCTGATAGACTAGAGATT
ATGCACCACCACCAGAGATTACTTACCGTGATTATGGTCATTCCAGTTCACGTGATGACTATCCATC
AAGAGGATATAGCGATAGAGATGGATATGGTCGTGATCGTGACTATTCAGATCATCAAGTGGAGGTTCC
TACAGAGATTCATATGAGAGTTATGGTAACTCAGTAGTGCTCCACCTACACGAGGGCCCCGCCATCTT
ATGGTGAAGCAGTCGCTATGATGATTACAGCAGCTCACGTGACGGATATGGTGAAGTCGAGACAGTTA
CTCAAGCAGCCGAAGTGATCTCTACTCAAGTGGTGTGATCGGGTTGGCAGACAAGAAAGAGGGCTTCCC
CCTTCTATGAAAAGGGGTACCCTCCTCCAGTGATTCTACAGCAGTTCAAGCCGCGGAGCACCAAGAG
GTGGTGGCGTGGAGGAAGCCGATCTGATAGAGGGGGAGGCAGAAGCAGATAC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200777 representing NM_002139
 Red=Cloning site Green=Tags(s)

MVEADRPGLKFIGGLNTEKALEAVFGKYGRIVEVLLMKDRETNKSRGFVFTFESPADAKDAARDMN
 GKSLDGKAIKVEQATKPSFESGRRGPPPPRSRGPRLRGGGGGGTRGPPSRGGHMDGGYSMNFNM
 SSSRGLPLVKRGPSPRSRGGPPPKRSAPSGPVRSSSGMGGRAPVSRGRDSYGGPPRREPLPSRRDVYLSR
 DDGYSTKDSYSSRDYSSRDTRDYAPPRDYTYRDIYGHSSSRDDYPSRGYSDDRDYGRDRDYSHPSSGS
 YRDSYESYGNRSRAPPTRGPPPSYGGSSRYDDYSSSRDGYGGSRDYSSSRSDLYSSGRDRVGRQERGLP
 PSMERGYPPRDSYSSSRGAPRGGGRGSRSDRGGGRSRY

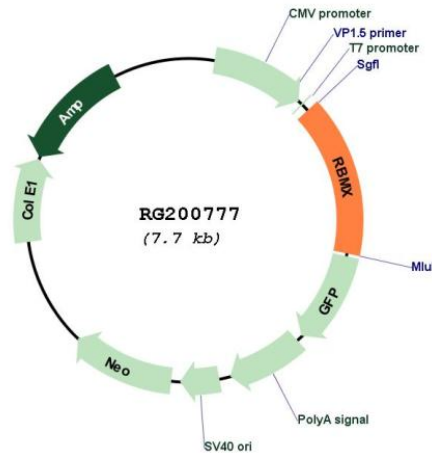
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_002139

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|-------------------------------|--|
| ORF Size: | 1173 bp |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| 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: | NM_002139.4 |
| RefSeq Size: | 2078 bp |
| RefSeq ORF: | 1176 bp |
| Locus ID: | 27316 |
| UniProt ID: | P38159 |
| Cytogenetics: | Xq26.3 |
| Domains: | RRM, RRM_1 |
| Protein Pathways: | Spliceosome |
| Gene Summary: | This gene belongs to the RBMY gene family which includes candidate Y chromosome spermatogenesis genes. This gene, an active X chromosome homolog of the Y chromosome RBMY gene, is widely expressed whereas the RBMY gene evolved a male-specific function in spermatogenesis. Pseudogenes of this gene, found on chromosomes 1, 4, 9, 11, and 6, were likely derived by retrotransposition from the original gene. Alternatively spliced transcript variants encoding different isoforms have been identified. A snoRNA gene (SNORD61) is found in one of its introns. [provided by RefSeq, Sep 2009] |