

Product datasheet for **SC324390**

hnRNP G (RBMX) (NM_002139) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	hnRNP G (RBMX) (NM_002139) Human Untagged Clone
Tag:	Tag Free
Symbol:	hnRNP G
Synonyms:	hnRNP-G; HNRNPG; HNRPG; MRXS11; RBMXP1; RBMXRT; RNMX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_002139.2
 CAGTAGTGCTAGCGGCTTCGCGGTTCCGGTCTCGCACCCGGCAGCCGCTGGTGTGA
 GCTGCTAGGAAGCCCCTATCGCCGAGCTCGTTGGAGCTTGAACCCATTGTCAACCCCTCCG
 ACTCACCGGCCAAAAAATGTTGAAGCAGATCGCCAGGAAAGCTCTTCA
 TTGGTGGGCTTAATACGGAAACAATGAGAAAGCTTTGAAGCAGTATTTGGCAAATATG
 GACGAATAGTGAAGTACTCTTGATGAAAGACCGTGAAACCAACAATCAAGAGGATTTG
 CTTTTGCACCTTTGAAAGCCCAGCAGACGCTAAGGATGCAGCCAGACATGAATGGAA
 AGTCATTAGATGAAAAGCCATCAAGGTGGAACAAGCCACCAACCATCATTTGAAAGTG
 GTAGACGTGGACCGCTCCACCTCCAAGAAGTAGAGGCCCTCCAAGAGGTCTTAGAGGTG
 GAAGAGGAGGAAGTGGAGGAACCAGGGACCTCCCTCACGGGGAGGACACATGGATGACG
 GTGGATATTCATGAATTTAACATGAGTCTTCCAGGGGACCACTCCCAGTAAAAAGAG
 GACCACCACCAAGAAGTGGGGTCTCCTCCTAAGAGATCTGCACCTTCAGGACCAGTTC
 GCAGTAGCAGTGAATGGGAGGAAGAGCTCCTGTATCACGTGGAAGAGATAGTTATGGAG
 GTCCACCTCGAAGGAACCGCTGCCCTCTCGTAGAGATGTTATTTGCCCCAAGAGATG
 ATGGGTATTCTACTAAAGACAGCTATTCAAGCAGAGATTACCAAGTTCTCGTGATACTA
 GAGATTATGCACCACCACAGAGATTACTTACCGTGATTATGGTCATTCCAGTTCAC
 GTGATGACTATCCATCAAGAGGATATAGCGATAGAGATGGATATGGTCGTGATCGTGACT
 ATTCAGATCATCCAAGTGGAGGTTCTACAGAGATTCATATGAGAGTTATGGTAACTCAC
 GTAGTGCTCCACCTACACGAGGGCCCCGCCATCTTATGGTGGAAGCAGTCGCTATGATG
 ATTACAGCAGCTCACGTGACGGATATGGTGAAGTCGAGACAGTTACTCAAGCAGCCGAA
 GTGATCTCTACTCAAGTGGTCGTGATCGGGTTGGCAGACAAGAAAGAGGGCTTCCCCCTT
 CTATGAAAGGGGTACCCTCCTCCACGTGATTCTACAGCAGTTCAAGCCGCGGAGCAC
 CAAGAGGTGGTGGCCGTGGAGGAAGCCGATCTGATAGAGGGGGAGGCAGAAGCAGATACT
 AGAAACAACAAAATTTGGACCAAAATCCAGTTCAAAAGAAACAAAAGTGAAACTAT
 TCTATCATAACTACCAAGGACTACTAAAAGGAAAAATTTGTTACTTTTTTAAATTCC
 CTGTTAAGTTCCTCCATAATTTTATGTTCTTGTGAGGAAAAAGTAAACATGTTTA
 ATTTTATTTGACTTTTCGATTGCTTTTCAACAAGCAAATGTTAAATGTGTTAAGACTTGT
 ACTAGTGTGTAACCTTCCAAGTAAAAGTATCCCCTAAAGGCCACTTCTATCTGATTTT
 TCCCAGCAAATGAGGCAGGCAATTCTAAGATCTCCACAAAACATCTAGCCATCTAAAAT
 GGAGAGATGAATCATTCTACCTATACAACAAGCTAGCTATTAGAGGGTGGTTGGGGTAT
 GCTACTCATAAGATTTTCAGGGTGTCTTCCAAGTCAATGTTCTCAGTACGAAAA
 ACCTGAAATCACATGCCTATGTAAGGAAAGTGCTATTCACCCAGTAAACCCAAAAAGCA
 AATGGATAATGCTGGCCATTTTGCTTTCTGACATTTCTTGGGAATCTGCAAGAACCTC
 CCCTTTCCCTTCCCAATAAGACCATTTAAGTGTGTGTTAAACAACCTACAGAATACTAA
 ATAAAAAGTTTGCCAAAACCAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_002139

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:

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_002139.2](#), [NP_002130.2](#)

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]
Transcript Variant: This variant (1) represents the more frequently occurring transcript and it encodes the longer protein (isoform 1).