

Product datasheet for **SC326763**

hnRNP G (RBMX) (NM_001164803) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	hnRNP G (RBMX) (NM_001164803) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBMX
Synonyms:	hnRNP-G; HNRNPG; HNRPG; MRXS11; RBMXP1; RBMXRT; RNMX
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001164803, the custom clone sequence may differ by one or more nucleotides ATGGTTGAAGCAGATCGCCAGGAAAGCTCTTCATTGGTGGGCTTAATACGGAACAAT GAGAAAGCTCTTGAAGCAGTATTTGGCAAATATGGACGAATAGTGAAGTACTCTTGATG AAAGACCGTGAAACCAACAAATCAAGAGGATTTGCTTTTGTACCTTTGAAAGCCAGCA GACGCTAAGGATGCAGCCAGAGACATGAATGGAAAGCTCCTGTATCACGTGGAAGAGATA GTTATGGAGGTCCACCTCGAAGGGAACCGCTGCCCTCTCGTAGAGATGTTTATTTGTCCC CAAGAGATGATGGGTATTCTACTAAAGACAGCTATTCAAGCAGAGATTACCCAAGTTCTC GTGATACTAGAGATTATGCACCACCACGAGATTATACTTACCGTGATTATGGTCATT CCAGTTCACGTGATGACTATCCATCAAGAGGATATAGCGATAGAGATGGATATGGTCGTG ATCGTGACTATTCAGATCATCAAGTGGAGTTCTACAGAGATTCATATGAGAGTTATG GTTGGTATTTGCTCATTATGGTCGTGGAGTGCTGATTGATTCACAG
Restriction Sites:	Please inquire
ACCN:	NM_001164803
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.



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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_001164803.1</u> , <u>NP_001158275.1</u>
RefSeq Size:	2071 bp
RefSeq ORF:	591 bp
Locus ID:	27316
UniProt ID:	<u>P38159</u>
Cytogenetics:	Xq26.3
Protein Pathways:	Spliceosome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks several alternate exon and contains a different 3' end, compared to variant 1. The resulting protein (isoform 2) is shorter and has a distinct C-terminus when it is compared to variant 1.</p>