

Product datasheet for **SC125976**

RBMXL2 (NM_014469) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBMXL2 (NM_014469) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBMXL2
Synonyms:	HNRNPG-T; HNRNPGT; HNRPGT
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_014469 edited
 GCCGTTTCGACCGGCAAACATGGTTGAAGCAGATCGCCCGGGAAGCTGTTTCATTGGGGG
 TTCAACCTCGAAACCGACGAGAAAGCCCTCGAAGCCGAGTTTGGCAAGTATGGCCGCATC
 GTCGAGGTGCTCCTGATGAAAGACCGAGAAACCAACAAGTCGAGGGGCTTCGCGTTCGTC
 ACCTTTGAAAGCCCCGACAGCCCAAGGCCGCCAGAGACATGAACGGCAAGTCCCTG
 GATGGTAAGGCCATCAAGGTGGCCAGGCCACCAACCGCGCTTCGAGAGCAGCCGGCGG
 GGCCCGCCGCTCCCGCAGCCGCGTCCCGAGGTTCTGCGCGGAACCCGCGGGGT
 GCGCGCGCCCGCGCGGTTCCCATATCCGCGGCGGGCCGATGATGACGCGGCTACGCG
 GCGGATTCGACCTGCGGCCCTCCAGGGCCCGATGCCATGAAGCGTGGGCCGCGCGC
 CGCAGGGTCGGCCACCCCCAAGAGGGCGCGCGTTCGGGCCCGGCTCGCAGCAGCGGC
 GGTGGAATGCGCGGGAGGGCCCTGGCCGTGCGGGGCGAGACGGCTACTCAGGCCACCG
 CGCCGGGAGCGCTGCCCGCGCGCGACCCCTACCTGGGCCCGCGGGATGAGGGCTAC
 TCGTCCAGAGACGGCTACTCGAGCCGAGTACCAGCAACCCCGGGTTTTGCCCTCG
 CCCGAGAGTACACCCACCGGATTACGGCCACTCCAGTGTCCGGGACGACTGTCCCTTG
 AGAGGCTACAGCGACCGAGACGGTACGGAGGTGCGACCGTGACTACGGGGATCATCTG
 AGCAGAGGCTCCCATCGAGAGCCCTTTGAGAGTACGGAGAGTGCAGCGCGCCGCCCA
 GGACGGGGACACCGCCATCTTACGGAGGAGGAGCGCGTGCAGGAGTACCGGGGCTAC
 TCACCCGATGCCTACAGCGGCGCGCGACAGTTACAGCAGCAGTTATGGCCGGAGCGAC
 CGCTACTCGAGGGGCGACACCGGGTGGCAGACCAGATCGTGGGCTCTCTGTCCATG
 GAAAGGGGCTGCCCTCCCGAGCGTATTCTTACAGCCGGTCAGGTCGAGGTGCCCAGG
 GCGGAGGCGCTAGGAGGCGCTTGGAGAGGAGGAGGCGGAGCAGATACTAAGCA
 GGAACAGACTTGGGACCAAAATCCCTTTCAACGAACTAACAAAAAGAAGAACCTGTT
 GTATGGTAACCTACCAAGGACTAGTACAAGGAAGAGTTGTTTTACCTTTAAGAATTTT
 CTGTTAAGATCGTCTCCATTTTTATGCTTTTGGGAGAAAAAACTTAAATTCGTTTAGTT
 TAGTTTTGGAATTGTTAACGTTTCTTCAACAAGCTCCTGTTAAAGTATATGAACCTGA
 GTACTAGTCTTCTTACATTTACAAGTAGAAATTCGATTAATGGCTTCTTCCCTGTAAAT
 TTTCTTGATAAATGAGGCAACAGTTCTAAGATCTTTGATAAACATCTGCTCACCTAAAA
 TGGAAAAACGGATCATTCTGCTCATTTAAACCACTAGATTTGGGTGGAGAGTGGGAGG
 GATTGGTGTATGCTACTTTAAGATTTAGGGTATCTTTCAAAGTGAATCTTTGTTTCCA
 GTATTAAGAAAGCAACAACAGCAACAACAACAAGTGAATTTAGATCAATGTTTA
 TGTAAGAAAAATTATTTCACTCAGTAAATCTGAAAAGTAAATGGATAATGTTGGCCAA
 AAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014469 unedited
 TTTGATTTGTATACGATCATATAGGCGGCGCGTAATTCTCGACGCGGGCGTTTCGACCG
 GCAAACATGGTTGAAGCAGATCGCCCGGGAAGCTGTTTCATTGGGGGCTTCAACCTCGAA
 ACCGACGAGAAAGCCCTCGAAGCCGAGTTTGGCAAGTATGGCCGCATCGTCGAGGTGCTC
 CTGATGAAAGACCGAGAAACCAACAAGTCGAGGGGCTTCGCGTTCGTACCTTTGAAAGC
 CCCGACAGCGCAAGGCCGCGCCAGAGACATGAACGGCAAGTCCCTGGATGGTAAGGCC
 ATCAAGGTGGCCAGGCCACCAACCGCGTTCGAGAGCAGCCGCGGGGCCCGCGCCT
 CCCCGACCGCGGTGCGCCGAGGTTCTGCGCGGAACCCGCGGGGTGGCGCGGCCCG
 CGGCGTTCCCATCCCGGGGCGGGCCGATGATGACGCGCGGTACGCGCGGATTTTCGAC
 CTGCGGCCCTCCAGGGCCCGATGCCATGAAGCGTGGGCCGCGCGCGCAGGGTCGGC
 CCACCCCAAGAGGGCGCGCGTCCGGCCCGGCTCGCANCANGCGGTGGAATGCGC
 GGGAGGGCCCTGGCGTGGGGGCGGAGACNGCTACTCAGGCCACCCGCGCGGGGAGCC
 GNTGCCCGCGCGCGACCCCTACCTGGGGCCGCGGATGAGGGCTACTCGTTCAAGAA
 GACGGTACTTCGAGCCAAGACTACCGGGGACCCCGGGGGTTTGGCCCTCGCCCGAAG
 AGTCCCCCCCCGGAATACCGCCCTTCAGTGTCCGGGAACACTGGCCTTTGAAAGGCTC
 CGCGCCCCAACGGTTCCGGAGGTCCGACCCGACTCCGGGGTTCATTGAACAGAGGCTC
 CCTCCGAAGCCCTTGAACCTCCGGAAGGTGGCGGGCCCCCCCCAGGT

Restriction Sites:

Please inquire

ACCN:	NM_014469
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:	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_014469.3</u> , <u>NP_055284.2</u>
RefSeq Size:	2097 bp
RefSeq ORF:	1179 bp
Locus ID:	27288
UniProt ID:	<u>O75526</u>
Cytogenetics:	11p15.4
Gene Summary:	This gene belongs to the HNRPG subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene has two RRM domains that bind RNAs. This gene is intronless and is thought to be derived from a processed retroposon. However, unlike many retroposon-derived genes, this gene is not a pseudogene. The encoded protein has similarity to HNRPG and RBMY proteins and it is suggested to replace HNRPG protein function during meiotic prophase or act as a germ cell-specific splicing regulator. It primarily localizes to the nuclei of meiotic spermatocytes. This gene is a candidate for autosomal male infertility. [provided by RefSeq, Jul 2008]