

Product datasheet for **RG202165**

RBMXL1 (NM_019610) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBMXL1 (NM_019610) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RBMXL1
Synonyms:	RBM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202165 representing NM_019610 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTGAAGCAGATCGCCAGGAAAGCTCTTCATTGGTGGGCTTAATACGGAACAAATGAGAAAGCTC
TTGAAACAGTATTTGGCAAATATGGACGAATAGTGAAGTACTCTTGATAAAAGACCGTGAACCAACAA
ATCAAGAGGATTTGCTTTTGTACCTTTGAAAGCCAGCAGACGCTAAGGATGCAGCCAGAGACATGAAT
GGAAAGTCATTAGATGGAAAAGCCATCAAGGTGGAACAAGCCACCAACCATCATTTGAAAGAGGTAGAC
ATGGACCGCCCCACCTCCAAGAAGTAGAGGTCTCCAAGAGTTTTGGAGCTGGAAGAGGAGGAAGTGG
AGGAACCAGGGGACCTCCTTACGAGGAGGACACATGGATGATGGTGGATATTCCATGAATTTAACATG
AGTTCTTCCAGGGGACCACTCCCAGTAAAAAGAGGACCACCACCAAGAAGTGGGGTCTCTCCTAAGA
GATCTGCACCTTCAGGACTAGTTCGCAGCAGCAGTGGAAATGGGAGGAAGAGCTCCTCTATCACGTGGAAG
AGATAGTTATGGAGGTCCACCTCGAAGGGAACCGCTCCCCTCTCGTAGAGATGTTATTTGTCCCAAGA
GATGATGGGTATTCTACTAAAGACAGCTATTCAAGCAGAGATTACCAAGTTCTCGTGATACAAGAGATT
ATGCACCACCACCAGAGATTACTTACCGTGATTATGGTCATTCCAGTTCACGTGATGACTATCCATC
AAGAGGCTATGGCGATAGAGATGGATATGGTCGTGATCGTGACTATTCAGATCATCAAGTGGAGGTTCC
TACAGAGATTCATATGAGAGTTATGGTAACTCAGTAGTGCTCCACTTACACGAGGGCCCCGCCATCTT
ATGGTGAAGCAGTCGCTATGATGATTATAGCAGCTCACGTGATGGATATGGTGAAGTCGAGACAGTTA
CTCAAGCAGCCGAAGTGATCTCTACTCAAGTTGTGACAGGGTTGGCAGACAAGAAAGAGGGCTTCCCCCT
TCTGTAGAAAGGGGTACCCTTCTTACGTGATTCTTACAGCAGTTCAAGCCGGGAGCACCACAGAGGTG
CTGGCCCTGGAGGAAGCCGATCTGATAGAGGGGGAGGCAGAAGCAGATAC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202165 representing NM_019610
 Red=Cloning site Green=Tags(s)

MVEADRPGLKFIGGLNTEETNEKALETVFGKYGRIVEVLLIKDRETNKSRGFVFTFESPADAKDAARDMN
 GKSLDGKAIKVEQATKPSFERGRHGPPPPSRGPPRGFAGRGGSGGTRGPPSRGGHMDGGYSMNFNM
 SSSRGPLPVKRGPPPSRGGPSPKRSAPSGLVRSSSGMGGRAPLSRGRDSYGGPPRREPLPSRRDVYLSR
 DDGYSTKDSYSSRDYSSRDTRDYAPPPRDYTYRDIYGHSSSRDDYPSRGGYDGRDGYGRDRDYSHPSSGS
 YRDSYESYGNRSAPLTRGPPPSYGGSSRYDDYSSSRDGYGSRDSYSSSRSDLYSSCDRVGRQERGLPP
 SVERGYSSRDSYSSSRGAPRGAGPGGSRSDRGGGRSRY

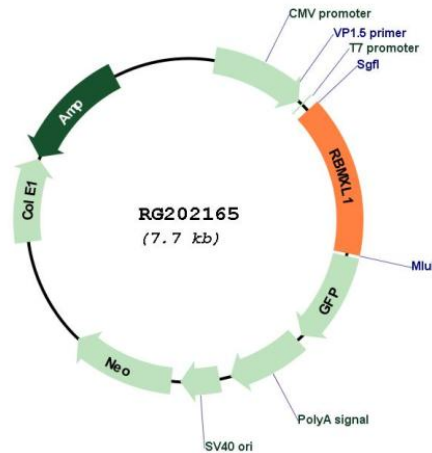
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_019610

ORF Size:	1170 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_019610.5 , NP_062556.2
RefSeq Size:	5028 bp
RefSeq ORF:	1173 bp
Locus ID:	494115
UniProt ID:	Q96E39
Cytogenetics:	1p22.2
Domains:	RRM, RRM_1
Gene Summary:	This gene represents a retrogene of RNA binding motif protein, X-linked (RBMX), which is located on chromosome X. While all introns in the coding sequence have been processed out compared to the RBMX locus, the ORF is intact and there is specific evidence for transcription at this location. The preservation of the ORF by purifying selection in all Old World monkeys carrying it suggests that this locus is likely to be functional, possibly during male meiosis when X chromosomal genes are silenced or during haploid stages of spermatogenesis. This gene shares 5' exon structure with the cysteine conjugate-beta lyase 2 locus on chromosome 1, but the coding sequences are non-overlapping. Alternative splicing results in two transcript variants. [provided by RefSeq, Jun 2009]