

## Product datasheet for **RG211910**

### **RNF12 (RLIM) (NM\_016120) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RNF12 (RLIM) (NM_016120) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RLIM
Synonyms:	MRX61; NY-REN-43; RNF12; TOKAS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG211910 representing NM\_016120  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAAACTCAGATTCCAATGACAAAGGAAGTGGTATCAGTCTGCAGCACAGCCGAGAAGTCAGATGG  
 ACCGATTGGATCGAGAAGAAGCTTTCTATCAATTTGTAATAACCTGAGTGAAGAAGATTATAGGCTTAT  
 GAGAGATAACAATTTGCTAGGCACCCAGGTGAAAGTACTGAGGAAGAGTTGCTGAGACGACTACAGCAA  
 ATTAAGAAGGCCACCACCGCAAACTCAGATGAAAATAGAGGAGGAGACTCTTCAGATGATGTCTA  
 ATGGTACTCTATAATAGACTGGCTTAACCTCTGCAGACAACTGGAAATACAACAAGAAGTGGGCAAAAG  
 AGGAAACCAATCTGGAGAGCAGTGAAGTGGACTAATCCAACAGTGGTATTTCAGATTCAGTTTAGAG  
 AATAATGTTAACCGTAATAATGGGAGCCAAAATTCAGAGAATGAAAATGAGCCATCTGCAAGACGTTCTA  
 GTGGAGAAAATGTGAAAACAACAGCCAAAGGCAAGTGGAAAACCCAGATCTGAATCAACATCTGCAAG  
 GCCATCTAGATCAGAACGAAATCAACTGAAGCGTTAACAGAGGTCCACCTACCAGAGGTGAGAGGAGG  
 GCAAGAAGCAGGAGCCAGACCATCGGAGAACCAGAGCAAGAGCTGAAAGAAGTAGGTACCTCTGCATC  
 CAATGAGTGAAATTCACGAAGATCTCATCATAGTATCTCATCTCAGACTTTTGAACATCCTTTGGTAAA  
 TGAGACGGAGGGAAGTTCTAGAACCAGCACCATGTGACATTGAGGCAGCAAATATCTGGGCCTGAGTTG  
 CTAAGTAGAGGTCTTTTGCAGCTTCTGGAACAAGAAATGCTTCTCAAGGAGCAGGTTCTTCAGACACAG  
 CTGCCAGTGGTGAATCTACAGGATCAGGACAGAGACCTCCAACCATAGTCCTTGATCTTCAAGTAAGAAG  
 AGTTTCCTCGGAGAATATCGGCAGAGAGATAGCATAGCCAGCAGAACTCCGCTAGGTCTCAGACACCA  
 AACAACTGTCACCTATGAAAGTGAACGAGGAGGTTTTAGGCGTACATTTTACGTTCTGAGCGGGCAG  
 GTGTGAGAACCTATGTCAGTACCATCAGAATCCCATTCGTAAGTCTTAATAACTGGTTAAGTGAAGAG  
 TACATCTGTTGCAATTCAGACCATGTTAAGGCAGATAATGACAGGTTTTGGTGAGTTAAGCTATTTTATG  
 TACAGTGATAGCGACTCAGAGCCTACTGGCTCAGTCTCAAATCGAAATATGGAAAGGGCAGAGTCCGGA  
 GTGGAAGAGGAGGTTCTGGTGGTGGTAGTGTCTGGTCCAGTTCGAGTCCAGTTCAGTTCGAGTTC  
 CAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAG  
 GATTTATTTGAAGGCAGTAATGAAGGAAGCTCATCATCAGGCTCATCAGGTGCCAGGCGAGAGGGTGCAC  
 ATAGGGCCCCAGTCACATTTGATGAAAGTGGCTCTTGGCCCTCCTTAGCCTGGCTCAGTTTTCTCTT  
 AAATGAGGATGATGATGACCAACCTAGAGGACTCACCAAAGAACAGATTGACAACCTGGCAATGAGAAGT  
 TTTGGTAAAATGATGCATTAACAACTGTAGTGTTCATTACAGAATATACAGAAGGCAACAACTTC  
 GTAACACTACCTGTTCCCATGAGTACCATGTCCACTGCATCGATCGCTGGTTATCTGAGAATTCTACCTG  
 TCCTATTTGTCGAGAGCAGTCTTAGCTTCTGGTAACAGAGAAAGTGTGTG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG211910 representing NM\_016120  
 Red=Cloning site Green=Tags(s)

MENSDSNDKGSQDQSAQRRSQMDRLDREEAFYQFVNNLSEEDYRLMRDNNLLGTPGESTEEELLRRLQQ  
 IKEGPPPPQNSDENRGGSSDDVSNNGDSIIDWLNsvRQTGNTTRSGQRGNQSWRAVSRTPNSGDFRFSLE  
 INVNRNNGSQNSENEPEPSARRSSGENVENNSQRQVENPRSESTSRPSRSESNSTEALTEVPPTRGQRR  
 ARSRSPDHRTRARAERSRSPLHPMSEIPRRSHHSISSQTFEHLVNETEGSSRTRHHVTLRQQISGPEL  
 LSRGLFAASGTRNASQGAGSSDTAASGESTGSGQRPTIVLDLQVRRVRPGEYRQRDSIASRTRRSQTP  
 NNTVITYESERGGFRRTFSRSERAGVRTYVSTIRIPIRRILNTGLSETTSVAIQTMLRQIMTGFELSYFM  
 YSDSDSEPTGSVSNRNMERAESRSGRGGSSGSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS  
 DLFEFSNEGSSSSGSSGARREGRHRAPVTFDESGSLPFLSLAQFFLLNEDDDQPRGLTKEQIDNLMRS  
 FGENDALKTCSVCITEYTEGNKLRKLPCHSEYHVHCIDRWLSENSTCPICRRAVLASGNRESV

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_016120.4</a>
<b>RefSeq Size:</b>	3315 bp
<b>RefSeq ORF:</b>	1875 bp
<b>Locus ID:</b>	51132
<b>UniProt ID:</b>	<a href="#">Q9NWW2</a>
<b>Cytogenetics:</b>	Xq13.2
<b>Domains:</b>	RING
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	The protein encoded by this gene is a RING-H2 zinc finger protein. It has been shown to be an E3 ubiquitin protein ligase that targets LIM domain binding 1 (LDB1/CLIM), and causes proteasome-dependent degradation of LDB1. This protein and LDB1 are co-repressors of LHX1/LIM-1, a homeodomain transcription factor. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Feb 2009]