

Product datasheet for **RG203442**

RNF12 (RLIM) (NM_183353) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF12 (RLIM) (NM_183353) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RNF12
Synonyms:	MRX61; NY-REN-43; RNF12; TOKAS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG203442 representing NM_183353
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAACTCAGATTCCAATGACAAAGGAAGTGGTATCAGTCTGCAGCACAGCCGAGAAGTCAGATGG
 ACCGATTGGATCGAGAAGAAGCTTTCTATCAATTTGTAATAACCTGAGTGAAGAAGATTATAGGCTTAT
 GAGAGATAACAATTTGCTAGGCACCCAGTGAAAGTACTGAGGAAGAGTTGCTGAGACGACTACAGCAA
 ATTAAGAAGGCCACCACCGAAAACTCAGATGAAAATAGAGGAGGAGACTCTTCAGATGATGTCTA
 ATGGTGACTCTATAATAGACTGGCTTAACCTCTGCAGACAACTGGAAATACAACAAGAAGTGGGCAAA
 AGGAAACCAATCTGGAGAGCAGTGAAGTCCGACTAATCCAACAGTGGTATTTCAGATTCAGTTAGAG
 AATAATGTTAACCGTAATAATGGGAGCCAAAATTCAGAGAATGAAAATGAGCCATCTGCAAGACGTTCTA
 GTGGAGAAAATGTGAAAACAACAGCCAAAGGCAAGTGGAAAACCCAGATCTGAATCAACATCTGCAAG
 GCCATCTAGATCAGAACGAAATCAACTGAAGCGTTAACAGAGGTCCACCTACCAGAGGTGAGAGGAGG
 GCAAGAAGCAGGAGCCAGACCATCGGAGAACCAGAGCAAGAGCTGAAAGAAGTAGGTACCTCTGCATC
 CAATGAGTGAAATTCACGAAGATCTCATCATAGTATCTCATCTCAGACTTTTGAACATCCTTTGGTAAA
 TGAGACGGAGGGAAGTTCTAGAACCAGCACCATGTGACATTGAGGCAGCAAATATCTGGGCCTGAGTTG
 CTAAGTAGAGGTCTTTTGCAGCTTCTGGAACAAGAAATGCTTCTCAAGGAGCAGGTTCTTCAGACACAG
 CTGCCAGTGGTGAATCTACAGGATCAGGACAGAGACCTCCAACCATAGTCCTTGATCTTCAAGTAAGAAG
 AGTTCTGCTGGAGAATATCGGCAGAGAGATAGCATAGCCAGCAGAACTCCGCTAGGTCTCAGACACCA
 AACAACTGTCACCTATGAAAGTGAACGAGGAGGTTTTAGGCGTACATTTTACGTTCTGAGCGGGCAG
 GTGTGAGAACCTATGTCAGTACCATCAGAATCCCATTCGTAAGTCTTAATAACTGGTTAAGTGAAGAG
 TACATCTGTTGCAATTCAGACCATGTTAAGGCAGATAATGACAGGTTTTGGTGAGTTAAGCTATTTTATG
 TACAGTGATAGCGACTCAGAGCCTACTGGCTCAGTCTCAAATCGAAATATGGAAGGGCAGAGTCCGGA
 GTGGAAGAGGAGGTTCTGGTGGTGGTAGTGTCTGGTCCAGTTCGAGTTCAGTTCAGTTCGAGTTC
 CAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAG
 GATTTATTTGAAAGCAGTAATGAAGGAAGCTCATCATCAGGCTCATCAGGTGCCAGGCGAGAGGGTGCAC
 ATAGGGCCCCAGTCACATTTGATGAAAGTGGCTCTTGGCCCTCCTTAGCCTGGCTCAGTTTTCTCTT
 AAATGAGGATGATGATGACCAACCTAGAGGACTCACAAAGAACAGATTGACAACCTGGCAATGAGAAGT
 TTTGGTAAAATGATGCATTAACAACTGTAGTGTTCATTACAGAATATACAGAAGGCAACAACTTC
 GTAACACTACCTGTTCCCATGAGTACCATGTCCACTGCATCGATCGCTGGTTATCTGAGAATTCTACCTG
 TCCTATTTGTCGAGAGCAGTCTTAGCTTCTGGTAACAGAGAAAGTGTGTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG203442 representing NM_183353
 Red=Cloning site Green=Tags(s)

MENSDSNDKGSQDQSAQRRSQMDRLDREEAFYQFVNNLSEEDYRLMRDNNLLGTPGESTEEELLRRLQQ
 IKEGPPPPQNSDENRGGDSSDDVSNNGDSIIDWLNsvRQTGNTTRSGQRGNQSWRAVSRTPNSGDFRFSLE
 INVNRNNGSQNSENENEPSARRSSGENVENNSQRQVENPRSESTSRPSRSERNSTEALTEVPPTRGQRR
 ARSRSPDHRRTARAERSRSPLHPMSEIPRRSHHSISSQTFEHLVNETEGSSRTRHHVTLRQQISGPEL
 LSRGLFAASGTRNASQGAGSSDTAASGESTGSGQRPTIVLDLQVRRVRPGEYRQRDSIASRTRRSQTP
 NNTVITYESERGGFRRTFSRSERAGVRTYVSTIRIPIRRILNTGLSETTSVAIQTMLRQIMTGFGELSYFM
 YSDSDSEPTGSVSNRNMERAESRSGRGGSSGSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS
 DLFEFSNEGSSSSGSSGARREGRHRAPVTFDESGSLPFLSLAQFFLLNEDDDQPRGLTKEQIDNLMRS
 FGENDALKTCSVCITEYTEGNKLRKLPCHSEYHVHCIDRWLSENSTCPICRRAVLASGNRESVV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_183353

ORF Size: 1872 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:

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_183353.3](#)

RefSeq Size: 3384 bp

RefSeq ORF: 1875 bp

Locus ID: 51132

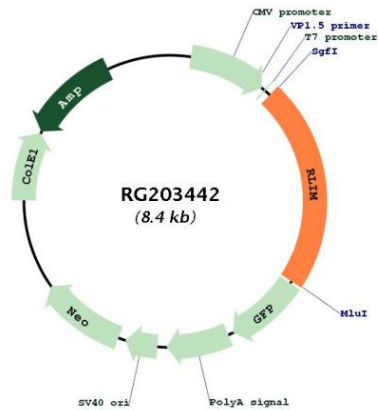
UniProt ID: [Q9NWW2](#)

Cytogenetics: Xq13.2

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: 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]

Product images:



Circular map for RG203442