

Product datasheet for SC110429

RNF12 (RLIM) (NM_016120) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF12 (RLIM) (NM_016120) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF12
Synonyms:	MRX61; NY-REN-43; RNF12; TOKAS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_016120 edited
 GAATTCGGCAGCAGGCGCTGAGCAACGTCTCCGAGCAGGCGCTGGGCTAGAGGCGGGTCTC
 AACCGACTACTCATTGGAGGCGGGCTTGAGAGCGGCGGCCAGGGAGGTGCGGAGCAGCCT
 CGGCGGCGGCGGCGGAACCAACCGAGTCGGATCCTGACCCTAAAACCTAGTATTTCCAC
 TTGTTTCATCAATATGGAAAACCTCAGATTCCAATGACAAAGGAAGTGGTGATCAGTCTGCA
 GCACAGCGCAGAAGTCAGATGGACCGATTGGATCGAGAAGAAGCTTTCTATCAATTTGTA
 AATAACCTGAGTGAAGAAGATTATAGGCTTATGAGAGATAACAATTTGCTAGGCACCCCA
 GGTGAAAGTACTGAGGAAGAGTTGCTGAGACGACTACAGCAAATTAAGAAGGCCACCA
 CCGCAAACCTCAGATGAAAATAGAGGAGGAGACTCTTCAGATGATGTGTCTAATGGTGAC
 TCTATAATAGACTGGCTTAACCTGTCTCAGACAACTGAAATACAACAAGAAGTGGGCAA
 AGAGGAAACCAATCTTGGAGAGCAGTGAGTCGGACTAATCCAAACAGTGGTGATTTCCAGA
 TTCAGTTTAGAGATAAATGTTAACCGTAATAATGGGAGCCAAAATTCAGAGAATGAAAAT
 GAGCCATCTGCAAGACGTTCTAGTGGAGAAAATGTGAAAAACAACAGCCAAAGGCAAGTG
 GAAAACCCACGATCTGAATCAACATCTGCAAGGCCATCTAGATCAGAACGAAATTCAACT
 GAAGCGTTAACAGAGGTCCCACCTACCAGAGGTCAGAGGAGGGCAAGAAGCAGGAGCCCA
 GACCATCGGAGAACCAGAGCAAGAGCTGAAAGAAGTAGGTCACCTCTGCATCCAATGAGT
 GAAATTCACGAAGATCTCATATAGTATCTCATCTCAGACTTTTGAACATCCTTTGGTA
 AATGAGACGGAGGAAGTTCTAGAACCCGGCACCATGTGACATTGAGGCAGCAAATATCT
 GGGCCTGAGTTGCTAAGTAGAGGTTCTTTTGCAGCTTCTGGAACAAGAAATGCTTCTCAA
 GGAGCAGTTCTTCAGACACAGCTGCCAGTGGTGAATCTACAGGATCAGGACAGAGACCT
 CCAACCATAGTCCTTGATCTTCAAGTAAGAAGAGTTCGTCCTGGAGAATATCGGCAGAGA
 GATAGCATAGCCAGCAGAACTCGGTCTAGGTCTCAGACACCAAACAACACTGTCACCTAT
 GAAAGTGAACGAGGAGGTTTTAGGCGTACATTTTACGTTCTGAGCGGCGAGGTGTGAGA
 ACCTATGTCAGTACCATCAGAATCCCATTTCGTAGAATCTTAAATACTGGTTTAAGTGAG
 ACTACATCTGTTGCAATTCAGACCATGTTAAGGCAGATAATGACAGGTTTTGGTGAGTTA
 AGCTATTTTATGTACAGTATAGCGACTCAGAGCCTACTGGCTCAGTCTCAAATCGAAAT
 ATGAAAAGGCGAGAGTCAGGAGTGAAGAGGAGGTTCTGGTGGTGGTAGTAGTTCTGGT



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016120 unedited
 CTATAGGCGGCCGCGNAATTCGCACGAGGCCTGAGCAACGTCTCCGAGCAGGCGCTGGGC
 TAGAGGCGGGTCTCAACCAGCTACTCATTGGAGGCGGGCTTGAGAGCGGCGGCCAGGGAG
 GTGCGGAGCAGCCTCGGCGGGCGGGCCGAACCAACCGAGTCGGATCCTGACCCTAAAAC
 CTAGTATTTTCCACTTGTTCATCAATATGGAAGTCTGAGTTCATGACAAAGGAAGTG
 GTGATCAGTCTGCAGCACAGCGCAGAAGTCAGATGGACCGATTGGATCGAGAAGAAGCTT
 TCTATCAATTTGTAATAACCTGAGTGAAGAAGATTATAGGCTTATGAGAGATAACAATT
 TGCTAGGCACCCAGGTGAAAGTACTGAGGAAGAGTTGCTGAGACGACTACAGCAAATTA
 AAGAAGGCCACCCACCGCAAACTCAGATGAAAATAGAGGAGGAGACTCTTCAGATGATG
 TGTCTAATGGTACTCTATAATAGACTGGCTTAACTCTGTGAGACAACTGGAAATACAA
 CAAGAAGTGGCAAGAGGAAACCAATCTTGGAGAGCAGTGAAGTGGACTAATCCAAACA
 GTGGTGATTTTCAAGTTCAGTTTAGAGATAAATGTTAACCGTAATAATGGGAGCCAAAATT
 CAGAGAATGAAAATGAGCCATCTGCAAGACGTTCTAGTGGAGAAAATGTGGAANACAACA
 GCCAAAGCAAGTGGAAAACCCACGATCTGAATCAACATCTGCAAGGCCATCTAGATCAG
 AACGAAATTCAACTGAAGCGTTAAACAGAGGTCCACCTACCAGAGGGTCAGAGAGGGGC
 AGAAGCAAGAGCCAGACCATCGGAGGACCANGAGCAGAGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016120 unedited
 TAGCTTTGGACCGGCGGCCGATNCTAGGATCGAGTTTTTTTTTTTTTTTTTTTCCAAATG
 AAGTATGCTGTCAATTTACATTTTTTCATGTTTTTCAAAAAGCACACAATTTACTAGTTAA
 CTCAATGAATTACAATACTGTTATTGAATATAAACATACTGAAGAATTAAGGGAAAAAA
 ACACACCTGACACTTTAACATGTGCCTTAAACAATCTTGCATACTAAGGTACAGAATACTT
 CAGAAAAGTAAACAATTAGCATAGTCTTATAAGACTAGGAGAATAAAAGTGCCTGCAACA
 TGGCTTCTATGTACTTAATATGGTAAAACATGTGACAGGGAAGCCTGTAAGGTAAAACCT
 AAAAAAAAAATCAAATAAGGCAGATTATAATTTTTTTTGTTCGCAAAAAGAACAAGGAGA
 AAAGGGGAAGAATAAAAAACATTTCCATCTTTAAAAGAAAAAATTAACAACCATAAAG
 TGCCACTGTATTTAGCAAGCTGTAATAATGGCCTTTTAAAGAGGAATTTGCAATCTTTA
 CCTCCCTATCATTGGGTATTTTGGGAAGTACCAGAAAGTCATGGCTGATGCTTACCCCA
 TTTTCATGTCATGGACGCTGGGAAGCAGGTAGTTAAATACAAAGCATATTATGTGATAAC
 CCTTCATAAATAAATTTGAGACACTGACACTAGGAGAGGATACTTGGCACAGAAAAGAA
 TGTTATGGGGGCGGGGACACTTACTTGGAGCAACTTACAGCCAATCAGTTTCTTAA
 TCTTAAGGTTTGGATGAAATCCAATCGTTTTAAAACTGTGTGTACACACCATATTTT
 ATTTCTGGTGCTAAAGGGCTTAACTGGACAATACCTACATTTCCACTTATGTGAAA
 CTTTTCTCAATCCACTCCATTACCCATAAGGGGAACAAATGTCCTTTTCAAGCAAT
 TCAATAAAAAGGGCTATTTCTT

Restriction Sites:

NotI-NotI

ACCN:

NM_016120

Insert Size:

6510 bp

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: [NM_016120.2](#), [NP_057204.2](#)

RefSeq Size: 3315 bp

RefSeq ORF: 1875 bp

Locus ID: 51132

UniProt ID: [Q9NWW2](#)

Cytogenetics: Xq13.2

Domains: RING

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]
Transcript Variant: This variant (1) lacks an alternate exon in the 5' UTR, compared to variant 2, and may represent the more abundant form. Both variants encode the same protein.
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.