

Product datasheet for **SC310213**

RNF12 (RLIM) (NM_183353) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF12 (RLIM) (NM_183353) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF12
Synonyms:	MRX61; NY-REN-43; RNF12; TOKAS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310213 representing NM_183353.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGAAAATCAGATCCAATGACAAAGGAAGTGGTATCAGTCTGCAGCACAGCCGAGAAGTCAGATG
GACCGATTGGATCGAGAAGAAGCTTTCTATCAATTTGTAATAACCTGAGTGAAGAAGATTATAGGCTT
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CAAATTAAGAAGGCCACCACCGCAAACTCAGATGAAAATAGAGGAGGAGACTCTTCAGATGATGTG
TCTAATGGTGACTCTATAATAGACTGGCTTAECTGTGACAGAAAAGTGGAAATACAACAAGAAGTGGG
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CGTTCTAGTGGAGAAAATGTGGAAAACAACAGCCAAAGGCAAGTGGAAAACCCACGATCTGAATCAACA
TCTGCAAGGCCATCTAGATCAGAACGAAATCACTGAAGCGTTAACAGAGGTCCCACCTACCAGAGGT
CAGAGGAGGGCAAGAAGCAGGAGCCAGACCATCGGAGAACCAGAGCAAGAGCTGAAAGAAGTAGGTCA
CCTCTGCATCCAATGAGTGAATTTCCACGAAGATCTCATAGTATCTCATCTCAGACTTTTGAACAT
CCTTTGGTAAATGAGACGGAGGGAAATTCTAGAACCCGGCACCATGTGACATTGAGGCAGCAAATATCT
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TCTTCAGACACAGCTGCCAGTGGTGAATCTACAGGATCAGGACAGAGACCTCCAACCATAGTCTTGAT
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AGTGTGTGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_183353

Insert Size: 1875 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_183353.2](#)

RefSeq Size: 10652 bp

RefSeq ORF: 1875 bp

Locus ID: 51132

UniProt ID: [Q9NWW2](#)

Cytogenetics: Xq13.2

Protein Families: Druggable Genome, Transcription Factors

MW: 68.5 kDa

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 (2) represents the longer transcript. 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.