

## Product datasheet for **RC232737**

### **CLEC18A (NM\_001271197) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CLEC18A (NM_001271197) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CLEC18A
Synonyms:	MRCL; MRCL1; MRLP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC232737 representing NM\_001271197  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGCATCCAGAGACCTCCCCTGGCCGGGGCATCTCCTGGCTGTGCTCCTGGCCCTCCTTGGCACCC  
 CCTGGGCAGAGGTGTGGCCACCCAGCTGCAGGAGCAGGCTCCGATGGCCGGAGCCCTGAACAGGAAGGA  
 GAGTTTCTTGCTCCTCTCCCTGCACAACCCTGCGCAGCTGGGTCCAGCCCCCTGCGGCTGACATGCGG  
 AGGCTGGACTGGAGTGACAGCCTGGCCAGCTGGCTCAAGCCAGGGCAGCCCTCTGTGGAACCCCAACC  
 CGAGCCTGGCGTCCGGCCTGTGGCGCACCTGCAAGTGGGCTGGAACATGCAGCTGCTACCCGCGGGCTT  
 GGTGTCCTTTGTCGAAGTGGTCAGCCTATGTTTGCAGAGGGGCAGCGGTACAGCCACGCGGCAGGAGAG  
 TGTGCTCGCAACGCCACCTGCACCCACTACACGCAGCTCGTGTGGCCACCTCAAGCCAGCTGGGCTGTG  
 GCGGCACCTGTGCTCTGCAGGCCAGGCAGCGATAGAAGCCTTTGTCTGTGCCTACTCCCCAGAGGCAA  
 CTGGGAGGTCAACGGGAAGACAATCGTCCCCTATAAGAAGGGTGCCTGGTGTTCGCTCTGCACAGCCAGT  
 GTCTCAGGCTGCTTCAAAGCCTGGGACCATGCAGGGGGGCTCTGTGAGGTCCCCAGGAATCCTTGTGCGA  
 TGAGCTGCCAGAACCATGGACGTCTCAACATCAGCACCTGCCACTGCCACTGTCCCCCTGGCTACACGGG  
 CAGATACTGCCAAGTGAGGTGCAGCCTGCAGTGTGTGCACGGCCGGTTCCGGGAGGAGGAGTGTCTGTG  
 GTCTGTGACATCGGCTACGGGGGAGCCAGTGTGCCACCAAGGTGCATTTTCCCTTCCACACCTGTGACC  
 TGAGGATCGACGGAGACTGCTTCATGGTGTCTTCAGAGGCAGACACCTATTACAGAGCCAGGATGAAATG  
 TCAGAGGAAAGGCGGGTGTGGCCAGATCAAGAGCCAGAAAGTGCAGGACATCCTCGCCTTCTATCTG  
 GGCCGCTGGAGACCACCAACGAGGTGATTGACAGTGACTTCGAGACCAGAACTTCTGGATCGGGCTCA  
 CCTACAAGACCGCAAGGACTCCTTCCGCTGGCCACAGGGGAGCACACAGGCCTTACCAGTTTTCGCTT  
 TGGGCAGCCTGACAACCCAGGGTTTGGCAACTGCGTGGAGCTGCAGGCTTCAGCTGCCTTCAACTGGAAC  
 GACCAGCCTGCAAAACCCGAAACCGTTACATCTGCCAGTTTGCCAGGAGCACATCTCCGGTGGGGCC  
 CAGGGTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC232737 representing NM\_001271197  
 Red=Cloning site Green=Tags(s)

MLHPETSPGRGHLLAVLLALLGTAWAEVWPPQLQEAPMAGALNRKESFLLL SLHNRLRSWVQPPAADMR  
 RLDWSDSLAQLAARAALCGTPTPSLASGLWRTLQVGNMQLLPAGLVSFVEVSLWFAEQRYSHAAGE  
 CARNATCTHYTQLVWATSSQLGCGRHLCSAGQAAIEAFVCAYSRGNWEVNGKTI VPYKKGAWCSLCTAS  
 VSGCFKAWDHAGGLCEVPRNPCRMSQNHGRLNISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSC  
 VCDIGYGAQCATKVHFPFHTCDLRIDGDCFVMSSEADTYRARMKCQRKGGVLAQIKSQKVDILAFYL  
 GRLETTNEVIDSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGFGNCVELQASAAFNWN  
 DQRCKTRNRYICQFAQEHI SRWGP GS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja2132\\_g09.zip](https://cdn.origene.com/chromatograms/ja2132_g09.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001271197

**ORF Size:** 1338 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\\_001271197.2](#)

**RefSeq Size:** 2295 bp

**RefSeq ORF:** 1341 bp

**Locus ID:** 348174

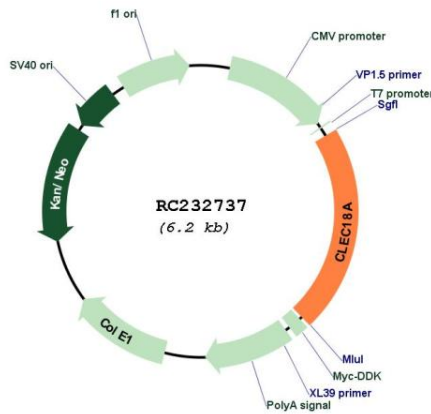
**UniProt ID:** [A5D8T8](#)

**Cytogenetics:** 16q22.1

**MW:** 49.6 kDa

**Gene Summary:** This is one of three closely related paralogous genes on chromosome 16 encoding secreted proteins containing C-type lectin domains. These domains bind to carbohydrates in the presence of calcium, and may be involved in cell adhesion, immune response and apoptosis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Sep 2012]

**Product images:**



Circular map for RC232737