

Product datasheet for **RG232737**

CLEC18A (NM_001271197) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLEC18A (NM_001271197) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CLEC18A
Synonyms:	MRCL; MRCL1; MRLP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG232737 representing NM_001271197
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCATCCAGAGACCTCCCCTGGCCGGGGCATCTCCTGGCTGTGCTCCTGGCCCTCCTTGGCACCC
 CCTGGGCAGAGGTGTGGCCACCCAGCTGCAGGAGCAGGCTCCGATGGCCGGAGCCCTGAACAGGAAGGA
 GAGTTTCTTGCTCCTCTCCCTGCACAACCCGCTGCGCAGCTGGGTCCAGCCCCCTGCGGCTGACATGCGG
 AGGCTGGACTGGAGTGACAGCCTGGCCAGCTGGCTCAAGCCAGGGCAGCCCTCTGTGGAACCCCAACC
 CGAGCCTGGCGTCCGGCCTGTGGCGCACCTGCAAGTGGGCTGGAACATGCAGCTGCTACCCGCGGGCTT
 GGTGTCTTTGTGAAGTGGTCAGCCTATGTTTGCAGAGGGGCAGCGGTACAGCCACGCGGCAGGAGAG
 TGTGCTCGCAACGCCACCTGCACCCACTACACGCAGCTCGTGTGGCCACCTCAAGCCAGCTGGGCTGTG
 GCGGCACCTGTGCTCTGCAGGCCAGGCAGCGATAGAAGCCTTTGTCTGTGCCTACTCCCCAGAGGCAA
 CTGGGAGGTCAACGGGAAGACAATCGTCCCTATAAGAAGGGTGCCTGGTGTTCGCTCTGCACAGCCAGT
 GTCTCAGGCTGCTTCAAAGCCTGGGACCATGCAGGGGGGCTCTGTGAGGTCCCAGGAATCCTTGTGCGA
 TGAGCTGCCAGAACCATGGACGTCTCAACATCAGCACCTGCCACTGCCACTGTCCCCCTGGCTACACGGG
 CAGATACTGCCAAGTGAGGTGCAGCCTGCAGTGTGTGCACGGCCGTTCCGGGAGGAGGAGTGTCTGTG
 GTCTGTGACATCGGCTACGGGGGAGCCAGTGTGCCACCAAGGTGCATTTCCCTTCCACACCTGTGACC
 TGAGGATCGACGGAGACTGCTTCATGGTGTCTTCAGAGGCAGACACCTATTACAGAGCCAGGATGAAATG
 TCAGAGGAAAGGCGGGTGTGGCCAGATCAAGAGCCAGAAAGTGCAGGACATCCTCGCCTTCTATCTG
 GGCCGCTGGAGACCACCAACGAGGTGATTGACAGTGACTTCGAGACCAGAACTTCTGGATCGGGCTCA
 CCTACAAGACCGCAAGGACTCCTTCCGCTGGGCCACAGGGGAGCACCAGGCCTTACCAGTTTTGCCTT
 TGGGCAGCCTGACAACCCAGGGTTTGGCAACTGCGTGGAGCTGCAGGCTTCAAGTGCCTTCAACTGGAAC
 GACCAGCCTGCAAAACCCGAAACCGTTACATCTGCCAGTTTGCCAGGAGCACATCTCCGGTGGGGCC
 CAGGGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG232737 representing NM_001271197
 Red=Cloning site Green=Tags(s)

MLHPETSPGRGHLLAVLLALLGTAWAEVWPPQLQEAPMAGALNRKESFLLL SLHNRLRSWVQPPAADMR
 RLDWSDSLAQLAQAARAALCGTPTPSLASGLWRTLQVGNMQLLPAGLVSFVEVSLWFAEGQRYSHAAGE
 CARNATCTHYTQLVWATSSQLGCCRHLCSAGQAIEAFVCAYSRGNWEVNGKTI VPKKGAWSLCTAS
 VSGCFKAWDHAGGLCEVPRNPCRMSQNHGRLNISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSC
 VCDIGYGGAQCATKVHFPFHTCDLRIDGCFMVSSEADTYRARMKCQRKGGVLAQIKSQKVQDILAFYL
 GRLETTNEVIDSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGFNCVELQASAAFNWN
 DQRCKTRNRYICQFAQEHSRWGPGS

TRTRPLE - GFP Tag - V

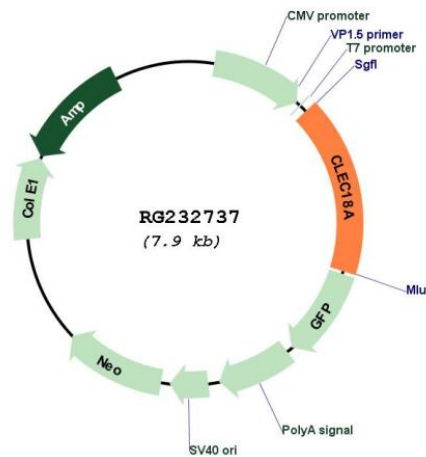
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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:	<u>NM_001271197.2</u>
RefSeq Size:	2295 bp
RefSeq ORF:	1341 bp
Locus ID:	348174
UniProt ID:	<u>A5D8T8</u>
Cytogenetics:	16q22.1
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]