

Product datasheet for **RG209903**

CLEC18A (NM_182619) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLEC18A (NM_182619) 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)



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ORF Nucleotide Sequence:

>RG209903 representing NM_182619
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCATCCAGAGACCTCCCCTGGCCGGGGCATCTCCTGGCTGTGCTCCTGGCCCTCCTTGGCACCC
 CCTGGGCAGAGGTGTGGCCACCCAGCTGCAGGAGCAGGCTCCGATGGCCGGAGCCCTGAACAGGAAGGA
 GAGTTTCTTGCTCCTCTCCCTGCACAACCCTGCGCAGCTGGGTCCAGCCCCCTGCGGCTGACATGCGG
 AGGCTGGACTGGAGTGACAGCCTGGCCAGCTGGCTCAAGCCAGGGCAGCCCTCTGTGGAACCCCAACC
 CGAGCCTGGCGTCCGGCCTGTGGCGCACCTGCAAGTGGGCTGGAACATGCAGCTGCTACCCGCGGGCTT
 GGTGTCTTTGTGAAGTGGTCAGCCTATGTTTGCAGAGGGGCAGCGGTACAGCCACGCGGCAGGAGAG
 TGTGCTCGCAACGCCACCTGCACCCACTACACGCAGCTCGTGTGGCCACCTCAAGCCAGCTGGGCTGTG
 GCGGCACCTGTGCTCTGCAGGCCAGGCAGCGATAGAAGCCTTTGTCTGTGCCTACTCCCCAGAGGCAA
 CTGGGAGGTCAACGGGAAGACAATCGTCCCTATAAGAAGGGTGCCTGGTGTTCGCTCTGCACAGCCAGT
 GTCTCAGGCTGCTTCAAAGCCTGGGACCATGCAGGGGGGCTCTGTGAGGTCCCAGGAATCCTTGTGCGA
 TGAGCTGCCAGAACCATGGACGTCTCAACATCAGCACCTGCCACTGCCACTGTCCCCCTGGCTACACGGG
 CAGATACTGCCAAGTGAGGTGCAGCCTGCAGTGTGTGCACGGCCGTTCCGGGAGGAGGAGTGTCTGTG
 GTCTGTGACATCGGCTACGGGGGAGCCAGTGTGCCACCAAGGTGCATTTTCCCTTCCACACCTGTGACC
 TGAGGATCGACGGAGACTGCTTCATGGTGTCTTCAGAGGCAGACACCTATTACAGAGCCAGGATGAAATG
 TCAGAGGAAAGGCGGGTGTGGCCAGATCAAGAGCCAGAAAGTGCAGGACATCCTCGCCTTCTATCTG
 GGCCGCTGGAGACCACCAACGAGGTGATTGACAGTGACTTCGAGACCAGGAACCTTGGATCGGGCTCA
 CCTACAAGACCGCAAGGACTCCTTCCGCTGGCCACAGGGGAGCACCAGGCCTTACCAGTTTTGCCTT
 TGGGCAGCCTGACAACCCAGGGTTTGGCAACTGCGTGGAGCTGCAGGCTTCAAGTGCCTTCAACTGGAAC
 GACCAGCCTGCAAAACCCGAAACCGTTACATCTGCCAGTTTGCCAGGAGCACATCTCCGGTGGGGCC
 CAGGGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG209903 representing NM_182619
 Red=Cloning site Green=Tags(s)

MLHPETSPGRGHLLAVLLALLGTAWAEVWPPQLQEAPMAGALNRKESFLLL SLHNRLRSWVQPPAADMR
 RLDWSDSLAQLAARAALCGTPTPSLASGLWRTLQVGNMQLLPAGLVSFVEVSLWFAEGQRYSHAAGE
 CARNATCTHYTQLVWATSSQLGCGRHLCSAGQAAIEAFVCAYSRGNWEVNGKTI VPKKGAWSLCTAS
 VSGCFKAWDHAGGLCEVPRNPCRMSQNHGRLNISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSC
 VCDIGYGAQCATKVHFPFHTCDLRIDGDCFMVSEADTYRARMKCQRKGGVLAQIKSQKVQDILAFYL
 GRLETTNEVIDSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGFNCVELQASAAFNWN
 DQRCKTRNRYICQFAQEHSRWGPGS

TRTRPLE - GFP Tag - V

Chromatograms:

https://cdn.origene.com/chromatograms/ja2113_f03.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_182619

ORF Size: 1338 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:

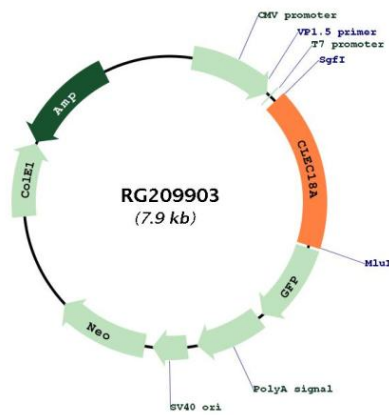
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_182619.4](#)

RefSeq Size: 2321 bp
 RefSeq ORF: 1341 bp
 Locus ID: 348174
 UniProt ID: [A5D8T8](#)
 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]

Product images:



Circular map for RG209903