

Product datasheet for **RG214431**

CLEC18C (NM_173619) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLEC18C (NM_173619) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CLEC18C
Synonyms:	MRCL; MRCL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG214431 representing NM_173619
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCATCCAGAGACCTCCCCTGGCCGGGGGCATCTCCTGGCTGTGCTCCTGGCCCTCCTTGGCACCC
 CCTGGGCAGAGGTGTGGCCACCCAGCTGCAGGAGCAGGCTCCGATGGCCGGAGCCCTGAACAGGAAGGA
 GAGTTTCTTGCTCCTCTCCCTGCACAACCCGCTGCGCAGCTGGGTCCAGCCCCCTGCGGCTGACATGCGG
 AGGCTGGACTGGAGTGACAGCCTGGCCAGCTGGCTCAAGCCAGGGCAGCCCTCTGTGGAACCCCAACCC
 CGAGCCTGGCGTCCGGCCTGTGGCGCACCTGCAAGTGGGCTGGAACATGCAGCTGCTACCCGCGGGCTT
 GGTGTCTTTGTGAAGTGGTCAGCCTATGTTTGCAGAGGGGCAGCGGTACAGCCACGCGGCAGGAGAG
 TGTGCTCGCAACGCCACCTGCACCCACTACACGCAGCTCGTGTGGCCACCTCAAGCCAGCTGGGCTGTG
 GCGGCACCTGTGCTCTGCAGGCCAGGCAGCGATAGAAGCCTTTGTCTGTGCCTACTCCCCAGAGGCAA
 CTGGGAGGTCAACGGGAAGACAATCGTCCCTATAAGAAGGGTGCCTGGTGTTCGCTCTGCACAGCCAGT
 GTCTCAGGCTGCTTCAAAGCCTGGGACCATGCAGGGGGGCTCTGTGAGGTCCCCAGGAATCCTTGTGCGA
 TGAGCTGCCAGAACCATGGACGTCTCAACATCAGCACCTGCCACTGCCACTGTCCCCCTGGCTACACGGG
 CAGATACTGCCAAGTGAGGTGCAGCCTGCAGTGTGTGCACGGCCGGCTCCGGGAGGAGGAGTGTCTGTG
 GTCTGTGACATCGGCTACGGGGGAGCCAGTGTGCCACCAAGGTGCATTTTCCCTTCCACACCTGTGACC
 TGAGGATCGACGGAGACTGCTTCATGGTGTCTTCAGAGGCAGACACCTATTACAGAGCCAGGATGAAATG
 TCAGAGGAAAGGCGGGTGTGGCCAGATCAAGAGCCAGAAAGTGCAGGACATCCTCGCCTTCTATCTG
 GGCCGCTGGAGACCACCAACGAGGTGATTGACAGTGACTTCGAGACCAGAACTTCTGGATCGGGCTCA
 CCTACAAGACCGCAAGGACTCCTTCCGCTGGCCACAGGGGAGCACAGGCCTTACCAGTTTTGCCTT
 TGGGCAGCCTGACAACCCAGGGTTTGGCAACTGCGTGGAGCTGCAGGCTTCAAGTGCCTTCAACTGGAAC
 AACCCAGCCTGCAAAACCCGAAACCGTTACATCTGCCAGTTTGCCAGGAGCACATCTCCCGGTGGGGCC
 CAGGGTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG214431 representing NM_173619
 Red=Cloning site Green=Tags(s)

MLHPETSPGRGHLLAVLLALLGTAWAEVWPPQLQEAPMAGALNRKESFLLL SLHNRLRSWVQPPAADMR
 RLDWSDSLAQLAQAARAALCGTPTPSLASGLWRTLQVGNMQLLPAGLVSFVEVSLWFAEGQRYSHAAGE
 CARNATCTHYTQLVWATSSQLGCCRHLCSAGQAAIEAFVCAYSRGNWEVNGKTI VPKKAWCSLCTAS
 VSGCFKAWDHAGGLCEVPRNPCRMSCQNHGRLNISTCHCHCPPGYTGRYCQVRCSLQCVHGRLREEECSC
 VCDIGYGGAQCATKVHFPFHTCDLRIDGDCFMVSEADTYRARMKCQRKGGVLAQIKSQKVQDILAFYL
 GRLETTNEVIDSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGFGNCVELQASAAFNWN
 NQRCKTRNRYICQFAQEHSRWGPGS

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_173619

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_173619.2](#), [NP_775890.2](#)

RefSeq Size: 2100 bp

RefSeq ORF: 1341 bp

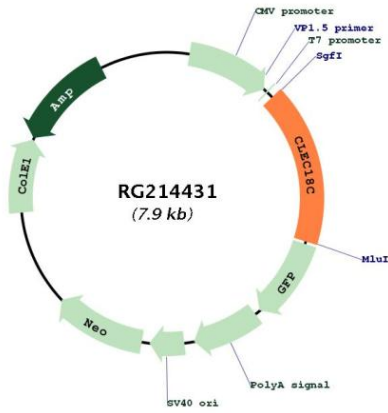
Locus ID: 283971

UniProt ID: [Q8NCF0](#)

Cytogenetics: 16q22.1

Gene Summary: Binds polysaccharides in a Ca²⁺-independent manner with a preferential binding to fucoidan, beta-glucans and galactans. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG214431