

Product datasheet for **RG215966**

CLEC18B (NM_001011880) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CLEC18B
Synonyms:	MRCL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG215966 representing NM_001011880
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTGCATCCAGAGACCTCCCTGGCCGGGGGCATCTCTGGCTGTGCTCCTGGCCCTCCTTGGCACCA
 CCTGGGCAGAGGTGTGGCCACCCAGCTGCAGGAGCAGGCTCCGATGGCCGGAGCCCTGAACAGGAAGGA
 GAGTTTCTTGCTCTCTCCCTGCACAACCGCTGCGCAGCTGGGTCCAGCCCCCTGCGGCTGACATGCGG
 AGGTGGAGTGGAGTGACAGCCTGGCCAACTGGCTCAAGCCAGGGCAGCCCTCTGTGGAATCCCAACCC
 CGAGCCTGGCATCCGGCTGTGGCGCACCTGCAAGTGGCTGGAACATGCAGCTGCTGCCCGGGGCTT
 GGCGTCCTTTGTTGAAGTGGTCAGCCTATGTTTGCAGAGGGGCAGCGGTACAGCCACGCGCAGGAGAG
 TGTGCTCGCAACGCCACCTGCACCCACTACACGAGCTCGTGTGGGCCACCTCAAGCCAGCTGGGCTGTG
 GGCGGCACCTGTGCTCTGCAGGCCAGACAGCGATAGAAGCCTTTGTCTGTGCCTACTCCCCGGAGGCAA
 CTGGGAGGTCAACGGGAAGACAATCATCCCTATAAGAAGGTGCCTGGTGTTCGCTCTGCACAGCCAGT
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 CAGATACTGCCAAGTGAGGTGCAGCTGCAGTGTGTGCACGGCCGGTCCGGGAGGAGGAGTGTCTGTG
 GTCTGTGACATCGGCTACGGGGAGCCAGTGTGCCACCAAGGTGCATTTCCCTTCCACACCTGTGACC
 TGAGGATCGACGGAGACTGCTTCATGGTGTCTTCAGAGGCAGACCTATTACAGAGCCAGGATGAAATG
 TCAGAGGAAAGCGGGGTGCTGGCCAGATCAAGAGCCAGAAAGTGCAGGACATCCTCGCCTTCTATCTG
 GGCCGCTGGAGACCACCAACGAGGTGACTGACAGTGACTTCGAGACCAGGAACCTCTGGATCGGGCTCA
 CCTACAAGACGCCAAGGACTCCTCCGCTGGGCCACAGGGAGCACCAGGCCCTTACCAGTTTTGCCTT
 TGGGACGCTGACAACACGGGCTGGTGTGGCTGAGTGTGCCATGGGTTTGGCAACTGCGTGGAGCTG
 CAGGCTTCAGCTGCCTCAACTGGAACGACGAGCGTGCAAAACCGAAACCGTTACATCTGCCAGTTTG
 CCCAGGAGCACATCTCCCGTGGGGCCAGGGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

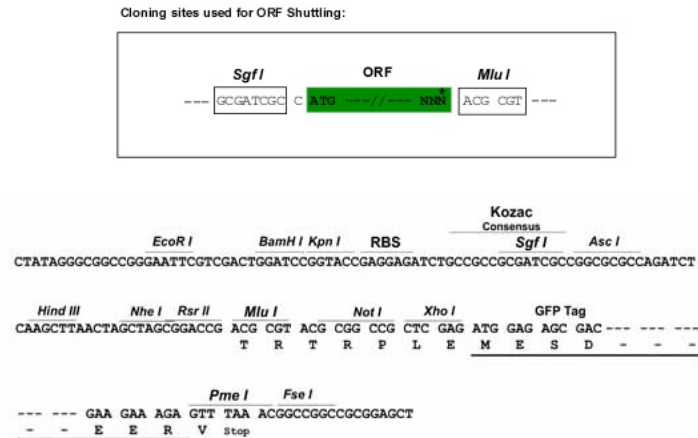
Protein Sequence: >RG215966 representing NM_001011880
 Red=Cloning site Green=Tags(s)

MLHPETSPGRGHLLAVLLALLGTTWAEVWPPQLQEAPMAGALNRKESFLLLSLHNRLRSWQPPAADMR
 RLDWSDSLAQLAARAALCGIPTPSLASGLWRTLQVGWNMQLLPAGLASFVEVSLWFAEGQRYSHAAGE
 CARNATCTHYTQLVWATSSQLGCGRHLCSAGQTAIEAFVCAYSPPGNWEVNGKTIIPYKKGAWCSLCTAS
 VSGCFKAWDHAGGLCEVPRNPRMSCQNHGRLNISTCHCHCPPGYTGRCYQVRCSLQCQVHGRFEEESC
 VCDIGYGGAQCATKVHFPFHTCDLRIDGDCFMVSSEADTYRARMKCQRKGGVLAQIKSQKVQDILAFYL
 GRLETTNEVTDSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGLVWLSAAMGFGNCVEL
 QASAAFNWNDQRCKTRNRYICQFAQEHISRWGP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001011880

ORF Size: 1365 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:

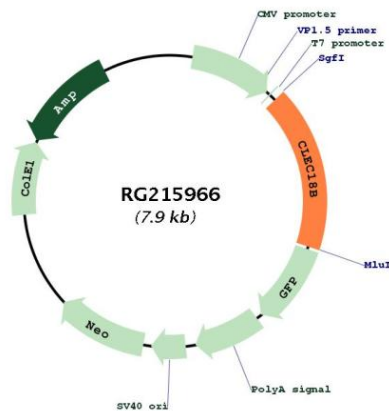
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001011880.1](#), [NP_001011880.1](#)

RefSeq Size:	1876 bp
RefSeq ORF:	1368 bp
Locus ID:	497190
UniProt ID:	Q6UXF7
Cytogenetics:	16q23.1
Gene Summary:	Binds polysaccharides in a Ca(2+)-independent manner (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG215966