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Product datasheet for RG228903

CLEC18A (NM_001136214) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLEC18A (NM_001136214) 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:

>RG228903 representing NM_001136214
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGCATCCAGAGACCTCCCCTGGCCGGGGGCATCTCCTGGCTGTGCTCCTGGCCCTCCTTGGCACCG
CCTGGGCAGAGGTGTGGCCACCCCAGCTGCAGGAGCAGGCTCCGATGGCCGGAGCCCTGAACAGGAAGGA
GAGTTTCTTGCTCCTCTCCCTGCACAACCGCCTGCGCAGCTGGGTCCAGCCCCCTGCGGCTGACATGCGG
AGGCTGGACTGGAGTGACAGCCTGGCCCAGCTGGCTCAAGCCAGGGCAGCCCTCTGTGGAACCCCAACCC
CGAGCCTGGCGTCCGGCCTGTGGCGCACCCTGCAAGTGGGCTGGAACATGCAGCTGCTACCCGCGGGCTT
GGTGTCCTTTGTCGAAGTGGTCAGCCTATGGTTTGCAGAGGGGCAGCGGTACAGCCACGCGGCAGGAGAG
TGTGCTCGCAACGCCACCTGCACCCACTACACGCAGCTCGTGTGGGCCACCTCAAGCCAGCTGGGCTGTG
GGCGGCACCTGTGCTCTGCAGGCCAGGCAGCGATAGAAGCCTTTGTCTGTGCCTACTCCCCCAGAGGCAA
CTGGGAGGTCAACGGGAAGACAATCGTCCCCTATAAGAAGGGTGCCTGGTGTTCGCTCTGCACAGCCAGT
GTCTCAGGCTGCTTCAAAGCCTGGGACCATGCAGGGGGGCTCTGTGAGGTCCCCAGGAATCCTTGTCGCA
TGAGCTGCCAGAACCATGGACGTCTCAACATCAGCACCTGCCACTGCCACTGTCCCCCTGGCTACACGGG
CAGATACTGCCAAGTGAGGTGCAGCCTGCAGTGTGTGCACGGCCGGTTCCGGGAGGAGGAGTGCTCGTGC
GTCTGTGACATCGGCTACGGGGGAGCCCAGTGTGCCACCAAGGTGCATTTTCCCTTCCACACCTGTGACC
TGAGGATCGACGGAGACTGCTTCATGGTGTCTTCAGAGGCAGACACCTATTACAGAGCCAGGATGAAATG
TCAGAGGAAAGGCGGGGTGCTGGCCCAGATCAAGAGCCAGAAAGTGCAGGACATCCTCGCCTTCTATCTG
GGCCGCCTGGAGACCACCAACGAGGTGATTGACAGTGACTTCGAGACCAGGAACTTCTGGATCGGGCTCA
CCTACAAGACCGCCAAGGACTCCTTCCGCTGGGCCACAGGGGAGCACCAGGCCTTCACCAGTTTTGCCTT
TGGGCAGCCTGACAACCACGGGTTTGGCAACTGCGTGGAGCTGCAGGCTTCAGCTGCCTTCAACTGGAAC
GACCAGCGCTGCAAAACCCGAAACCGTTACATCTGCCAGTTTGCCCAGGAGCACATCTCCCGGTGGGGCC
CAGGGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

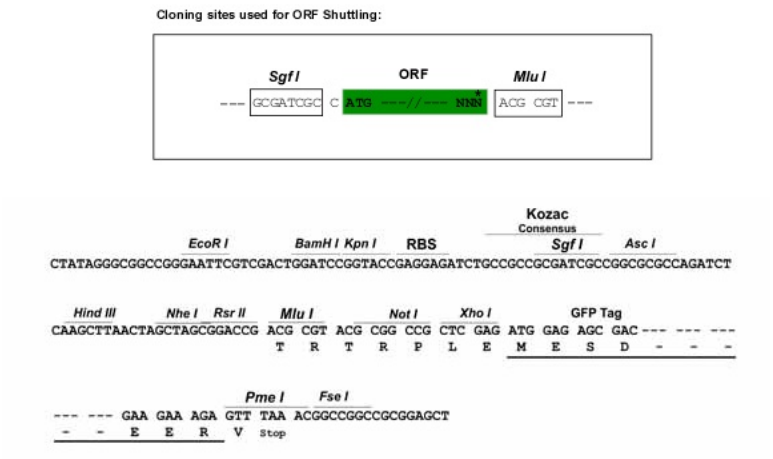
>RG228903 representing NM_001136214
Red=Cloning site Green=Tags(s)

MLHPETSPGRGHLLAVLLALLGTAWAEVWPPQLQEQAPMAGALNRKESFLLLSLHNRLRSWVQPPAADMR
RLDWSDSLAQLAQARAALCGTPTPSLASGLWRTLQVGWNMQLLPAGLVSFVEVVSLWFAEGQRYSHAAGE
CARNATCTHYTQLVWATSSQLGCGRHLCSAGQAAIEAFVCAYSPRGNWEVNGKTIVPYKKGAWCSLCTAS
VSGCFKAWDHAGGLCEVPRNPCRMSCQNHGRLNISTCHCHCPPGYTGRYCQVRCSLQCVHGRFREEECSC
VCDIGYGGAQCATKVHFPFHTCDLRIDGDCFMVSSEADTYYRARMKCQRKGGVLAQIKSQKVQDILAFYL
GRLETTNEVIDSDFETRNFWIGLTYKTAKDSFRWATGEHQAFTSFAFGQPDNHGFGNCVELQASAAFNWN
DQRCKTRNRYICQFAQEHISRWGPGS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

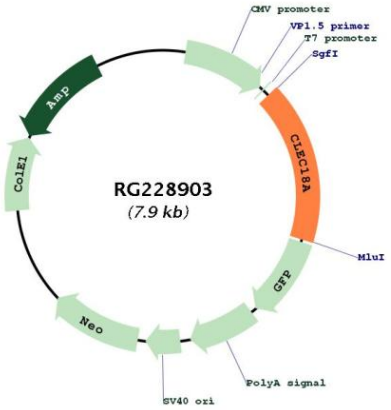
Cloning Scheme:



ACCN:	NM_001136214
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_001136214.3
RefSeq Size:	2215 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 RG228903