

Product datasheet for **MG218065**

Clec4a2 (NM_011999) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Clec4a2 (NM_011999) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Clec4a2
Synonyms: Clec4a; Clecsf6; DCIR; Dcir1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG218065 representing NM_011999
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTCAGAAATCACTTATGCAGAAGTGAAGTTCAAGAATGAATCCAACCTCTTGCACACCTACTCAG
 AATCTCCTGCAGCTCCCAGAGAGAAACCTATCCGTGATCTAAGAAAGCCTGGTCCCCCTACTGCTTCT
 TACATCCCTGATGCTACTTCTCCTGCTGCTGGCAATCACATTCTTAGTTGCTTTTATCATTTATTTCAA
 AAGTACTCTCAACTTCTGAAGAAAAAAGCTGCAAAAAATATAATGCACAATGAATTGAAGTGCACAA
 AAAGTGTTCACCCATGGAAGACAAAGTCTGGAGCTGTTGCCAAAGGATTGGAGGCTATTTGGTTCCCA
 CTGCTACTTGGTCCCACAGTTTCTTCATCAGCATCTTGAACAAGAGTGAGGAGAACTGCTCCCGCATG
 GGTGCTCATCTAGTGGTATCCAAAGCCAGGAAGAGCAGGATTTTCATCACTGGGATCTTGACACTCATG
 CTGCTTATTTTATAGGGTTGTGGGATACAGGCCATCGGCAATGGCAATGGGTTGATCAGACACCATATGA
 AGAAAGTATCACATTCTGGCACAATGGTGGAGCCAGCAGTGGCAATGAAAAATGTGCTACAATAATTTAC
 CGTTGGAAGACTGGATGGGGCTGGAACGATATCTCTTGCAGTCTTAAACAGAAGTCAGTTTGCAGATGA
 AGAAAAAACTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218065 representing NM_011999
 Red=Cloning site Green=Tags(s)

MASEITYAEVKFKNESNSLHTYSESPAAPREKPIRDLRKPGSPSLLLTSMLLLLLLITFLVAFIIFYQ
 KYSQLLLEEKAAKNIMHNLNCTKSVSPMEDKVVWSCCPKDWRLFSGHCYLPTVSSASWNKSEENC SRM
 GAHLVVIQSQEEQDFITGILDTHAAYFIGLWDTGHRQWQWVDQTPYEESITFWHNGEPSSGNEKCATIYY
 RWKTGWGWNDISCLKQKSVQMKKINL

TRTRPLE - GFP Tag - V

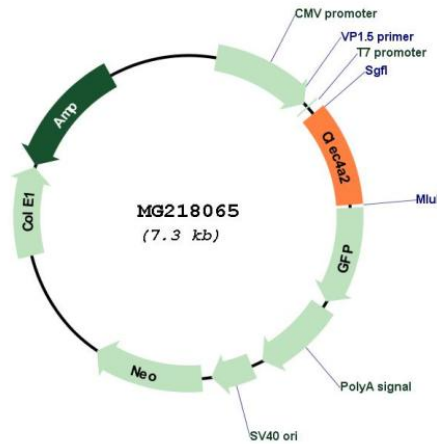
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_011999

ORF Size: 714 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:	NM_011999.4 , NP_036129.1
RefSeq Size:	2481 bp
RefSeq ORF:	717 bp
Locus ID:	26888
UniProt ID:	Q9QZ15
Cytogenetics:	6 58.18 cM
Gene Summary:	May be involved in regulating immune reactivity. May play a role in modulating dendritic cells (DC) differentiation and/or maturation (By similarity). May be involved in the inhibition of B-cell-receptor-mediated calcium mobilization and protein tyrosine phosphorylation. [UniProtKB/Swiss-Prot Function]