

## Product datasheet for MR219369

### Clec4g (NM\_029465) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Clec4g (NM_029465) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clec4g
Synonyms:	4930572L20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219369 representing NM_029465 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAACACTGGTGAATACAACAAGCTGGGCAGTGCAATTGAAGAGGTCTCCAGAGGGCAATTGGGACGTT  
GGGAGTGCTACAAACAAGACTTTTCTTCTGGTCTTGGCTCTGCTGGTGGCCACAGTTCTATGGGCTCT  
CATTCTGAGCACCTACTGTCCAGTGCCTCCAGCAAGCTCAGGGTGTGCTCAGCCACCAGGACCTGCTG  
AGGACAAATGCCTCAGAGCAGAAGATGACGTTGAGTTCCTGAAGGATGATATCGGAGCCTGCAGGAATT  
GCTGCTCCGTGACAAAAGCGCAGTTGCAAACCACACTGGCGGAGTTTAAGGACATACAAGCAAAGTTGAT  
GGAGCAGGAGAGCATCCTGAAAGAACTGCAAGAGCGTGTGACCCAGGACTTGGCTAAAGCAAGCAGAGAC  
CGTGAGAACATCCGCAGTGAGCTGTTCCAGGCACTGGAAGCTGTCAAGCGCCAGAACAGCTCCTGTGAGC  
AGTGCCCAACATCATGGCTACCTTCCAAGGTTCTGCTACTATTTCTCTGAGACACAGGCCACATGGGA  
TACAGCACAAAGCTACTGTGGAGGCCAGGGTGCCCATCTGGTGATTGTGACAGGCCTGAACGAGCAGGGC  
TTCCTGAGTCAGCACACACGTGGCCGGGCTATTGGTTGGGTCTGAGGGCAGTTCGCCACCTCAACAAGA  
TTCAAGGCTACCGGTGGGTAGATGGAGCCTCACTCAACTCAGCCACTGGAACCTGGAGAGCCCAATGA  
TTCCAGAGGACATGAGGACTGTATCATGATGCTGCACTCGGGGCTGTGGAATGATGCACCATGTACCAAT  
GAGAGAGATGGCTGGATCTGTGAGAAGAGGAGCAGTTGCTAC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR219369 representing NM\_029465  
Red=Cloning site Green=Tags(s)

MNTGEYNKLGSAIEEVSRGQLGRWECYKQRLFFLVLALLVATVLWALILSTLLSSASSKLRVLLSHQDLL  
 RTNASEQKMTLSSLKDDIGACRNCCSVTKAQLQTTLAEFKDIQAKLMEQESILKELQERVTDLAKASRD  
 RENIRSELFQALEAVKRQNSSCEQCPSWLPFQGSYYFSETQATWDTAQSYCGGQGAHLVIVRGLNEQG  
 FLSQHTRGRGYWGLRAVRHLNKIQGYRWVDGASLNF SHWNSGEPNDSRGHEDCIMMLHSGLWNDAPCTN  
 ERDGWICEKRSSCY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9023\\_g06.zip](https://cdn.origene.com/chromatograms/mm9023_g06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_029465

**ORF Size:** 882 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\\_029465.3](#), [NP\\_083741.1](#)

**RefSeq Size:** 1239 bp

**RefSeq ORF:** 885 bp

**Locus ID:** 75863

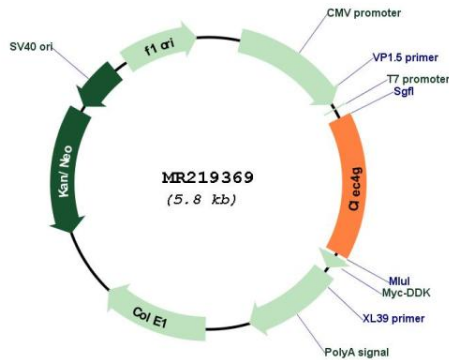
**UniProt ID:** [Q8BNX1](#)

**Cytogenetics:** 8 A1.1

**MW:** 33.8 kDa

**Gene Summary:** Binds mannose, N-acetylglucosamine (GlcNAc) and fucose, but not galactose, in a Ca(2+)-dependent manner.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR219369