

Product datasheet for **RG233632**

CLEC4G (NM_001244856) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CLEC4G (NM_001244856) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CLEC4G
Synonyms: DTTR431; LP2698; LSEctin; UNQ431
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG233632 representing NM_001244856
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACACCACCAGGTACAGGCCCTGGGGACGCTGGGTGCACTGGAGCAGGAGACCCCTCTTCTTGCCCG
TGGCTGTCCTGGTCACCACAGTCCTTTGGGCTGTGATTCTGAGTATCCTATTGTCCAAGGCCTCCACGGA
GCGCGCGCGCTGCTTGACGGCCACGACCTGCTGAGGACAAACGCCTCGAAGCAGACGGCGCGCTGGGT
GCCCTGAAGGAGGAGGTGGGACTGCCACAGCTGCTGCTCGGGACGCAGGCGCAGCTGCAGACCACGC
GCGCGGAGCTTGGGGAGGCGCAGGCGAAGCTGATGGAGCAGGAGAGCGCCCTGCGGGAATGCGTGAGCG
CGTGACCCAGGGCTTGGCTGAAGCCGGCAGGGGCCGTGAGGACGTCCGCACTGAGCTGTTCCGGGCGCTG
GAGGCCGTGAGGCTCCAGAACAACCTCTGCGAGCCGTGCCACGTCGTGGCTGTCTTCGAGGGCTCCT
GCTACTTTTTCTCTGTGCCAAAGACGACGTGGGCGGCGCGCAGGATCACTGCGCAGATGCCAGCGCGCA
CCTGGTGATCGTTGGGGCCTGGATGAGCAGGGCTTCTCACTCGGAACACGCGTGGCCGTGGTTACTGG
CTGGGCTGAGGGCTGTGCGCCATCTGGCAAGTTTCAAGGCTACCAGTGGGTGGACGGAGTCTCTCTCA
GCTTCAGCCACTGGAACCAGGGAGGCCAATGACGCTTGGGGCGCGAGAAGTGTGTATGATGCTGCA
CACGGGGCTGTGGAACGACGCACCGTGTGACAGCGAGAAGGACGGCTGGATCTGTGAGAAAAGGCACAAC
TGC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_001244856.1](#), [NP_001231785.1](#)

RefSeq Size: 1341 bp

RefSeq ORF: 846 bp

Locus ID: 339390

Cytogenetics: 19p13.2

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a glycan-binding receptor and member of the C-type lectin family which plays a role in the immune response. C-type lectin receptors are pattern recognition receptors located on immune cells that play a role in the recognition and uptake of both self and non-self glycoproteins as well as mediating cell adhesion, glycoprotein clearance, and cell signaling functions. This gene's protein binds complex-type N-glycans of the viral envelope proteins of Ebola virus, West Nile filovirus, and SARS coronavirus, but not HIV or hepatitis C virus. In mouse, this protein has been shown to recognize activated T-cells and to negatively regulate T-cell receptor-mediated signalling. It also acts as a novel, liver-specific regulator of NK cell-mediated immunity in mouse. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2020]

Product images:



Circular map for RG233632