

Product datasheet for **SC332099**

CLEC4G (NM_001244856) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CLEC4G (NM_001244856) Human Untagged Clone
Tag: Tag Free
Symbol: CLEC4G
Synonyms: DTTR431; LP2698; LSEctin; UNQ431
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332099 representing NM_001244856.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGACACCACCAGGTACAGGCCCTGGGGACGCTGGGTGCACTGGAGCAGGAGACCCCTCTTCTTGGCC
CTGGCTGTCTGGTCACCACAGTCTTTGGGCTGTGATTCTGAGTATCCTATTGTCCAAGGCCTCCACG
GAGCGCGCGGCGCTGCTTACGGCCACGACCTGCTGAGGACAAACGCCTCGAAGCAGACGGCGGCGCTG
GGTGCCCTGAAGGAGGAGGTCGGAGACTGCCACAGCTGCTGCTCGGGACGCAGGCGCAGCTGCAGACC
ACGCGCGCGGAGCTTGGGGAGGCGCAGGCGAAGCTGATGGAGCAGGAGAGCGCCCTCGGGAACTGCGT
GAGCGCGTGACCCAGGGCTTGGCTGAAGCCGGCAGGGGCCGTGAGGACGTCGCGACTGAGCTGTTCCGG
GCGCTGGAGGCCGTGAGGCTCCAGAACAACCTCCTGCGAGCCGTGCCCCAGCTCGTGGCTGTCCTTCGAG
GGCTCCTGCTACTTTTTCTGTGTGCCAAAGACGACGTGGGCGGGCGCGCAGGATCACTGCGCAGATGCC
AGCGCGCACCTGGTGATCGTTGGGGGCCTGGATGAGCAGGGCTTCTCACTCGGAACACGCGTGGCCGT
GGTTACTGGCTGGGCTGAGGGCTGTGCGCCATCTGGGCAAGGTTTCAGGGCTACCACTGGGTGGACGGA
GTCTCTCAGCTTCAGCCACTGGAACCAAGGAGAGCCCAATGACGCTTGGGGCGCGAGAAGTGTGTC
ATGATGCTGCACACGGGGCTGTGGAACGACGCACCGTGTGACAGCGAGAAGGACGGCTGGATCTGTGAG
AAAAGGCACAACCTGTA
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Restriction Sites: SgfI-RsrII
ACCN: NM_001244856
Insert Size: 846 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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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](#)

RefSeq Size: 1341 bp

RefSeq ORF: 846 bp

Locus ID: 339390

Cytogenetics: 19p13.2

Protein Families: Druggable Genome, Transmembrane

MW: 31.5 kDa

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]
Transcript Variant: This variant (2) uses an alternate splice site in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.