

Product datasheet for **SC307722**

CLEC4G (NM_198492) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLEC4G (NM_198492) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLEC4G
Synonyms:	DTTR431; LP2698; LSEctin; UNQ431
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_198492 edited GTGGGCTGGGTGCCTGCATCGCCATGGACACCACCAGGTACAGCAAGTGGGGCGGCAGCT CCGAGGAGGTCCCCGGAGGGCCCTGGGGACGCTGGGTGCACTGGAGCAGGAGACCCCTCT TCTTGGCCCTGGCTGTCTGTGTCACCACAGTCCTTTGGGCTGTGATTCTGAGTATCCTAT TGTCGAAGGCCTCCACGGAGCGCGGGCTGCTTGACGGCCACGACCTGCTGAGGACAA ACGCCTCGAAGCAGACGGCGGGCTGGGTGCCCTGAAGGAGGAGGTGCGAGACTGCCACA GCTGCTGCTCGGGGACGCAGGCGCAGCTGCAGACCACGCGCGGAGCTTGGGGAGGCGC AGGCGAAGCTGATGGAGCAGGAGAGCGCCCTGCGGGAAGTGCCTGAGCGCGTGACCCAGG GCTTGGCTGAAGCCGGCAGGGGCCGTGAGGACGTCGCACTGAGCTGTTCCGGGCGCTGG AGGCCGTGAGGCTCCAGAACAACCTCCTGCGAGCCGTGCCCCACGTCGTGGCTGTCCTTCG AGGGCTCCTGCTACTTTTTCTCTGTGCCAAAGACGACGTGGGCGCGGCGCAGGATCACT GCGCAGATGCCAGCGCGACCTGGTGATCGTTGGGGCCTGGATGAGCAGGGCTTCTCA CTCGGAACACGCGTGGCCGTGGTACTGGCTGGGCTGAGGGCTGTGCGCCATCTGGGCA AGGTTCAGGGCTACCAAGTGGGTGGACGGAGTCTCTCAGCTTACGCCACTGGAACCAGG GAGAGCCCAATGACGCTTGGGGCGCGAGAAGTGTGTCATGATGCTGCACACGGGCTGT GGAACGACGCACCGTGTGACAGCGAGAAGGACGGCTGGATCTGTGAGAAAAGGCACAAC GCTGACCCCGCCAGTGCCTGGAGCCGCGCCATTGCAGCATGTCGTATCCTGGGGCT GCTCACCTCCCTGGCTCCTG
Restriction Sites:	Please inquire
ACCN:	NM_198492
Insert Size:	1000 bp



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_198492.1 , NP_940894.1
RefSeq Size:	1355 bp
RefSeq ORF:	882 bp
Locus ID:	339390
UniProt ID:	Q6UXB4
Cytogenetics:	19p13.2
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>