

Product datasheet for **SC308074**

CLEC12A (NM_201623) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLEC12A (NM_201623) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLEC12A
Synonyms:	CD371; CLL-1; CLL1; DCAL-2; MICL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_201623 edited ATGTCGAAGAAGTTACTTATGCAGATCTCAATCCAGAACCAGTGAGATGGAAAA ATCCCAGAAATTGGCAAATTTGGGAAAAAGTTCACGTAACCTTGAAGATAGAAATGAAA AAAATGAACAACTACAAAACATCAGTGAAGAGCTCCAGAGAAATATTTCTCTACAACCTG ATGAGTAAACATGAATATCTCCAACAAGATCAGGAACCTCTCCACCACACTGCAAACAATA GCCACCAAATTATGTCGTGAGCTATATAGCAAAGAACAAGAGCACAAATGTAAGCCTTGT CCAAGGAGATGGATTTGGCATAAGGACAGCTGTTATTTCTAAGTGATGATGTCCAAACA TGGCAGGAGAGTAAAATGGCCTGTGCTGCTCAGAATGCCAGCCTGTTGAAGATAAACAC AAAAATGCATTGGAATTTATAAAATCCCAGAGTAGATCATATGACTATTGGCTGGGATTA TCTCCTGAAGAAGATTCCACTCGTGGTATGAGAGTGGATAATATAATCAACTCCTCTGCC TGGGTTATAAGAAACGCACCTGACTTAAATAACATGTATTGTGGATATATAAATAGACTA TATGTTCAATATTATCACTGCACCTATAAAAAAAGAATGATATGTGAGAAGATGGCCAAT CCAGTGCAGCTTGGTTCTACATATTTTAGGGAGGCATGA
Restriction Sites:	Please inquire
ACCN:	NM_201623
Insert Size:	1600 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).
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.



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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:	<u>NM_201623.1, NP_963917.1</u>
RefSeq Size:	1474 bp
RefSeq ORF:	699 bp
Locus ID:	160364
UniProt ID:	<u>Q5QGZ9</u>
Cytogenetics:	12p13.31
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signaling, glycoprotein turnover, and roles in inflammation and immune response. The protein encoded by this gene is a negative regulator of granulocyte and monocyte function. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. This gene is closely linked to other CTL/CTLD superfamily members in the natural killer gene complex region on chromosome 12p13. [provided by RefSeq, May 2011]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform 2, also referred to as beta), compared to isoform 1.</p>