

## Product datasheet for **SC331733**

### CLEC12A (NM\_001207010) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CLEC12A (NM\_001207010) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CLEC12A  
**Synonyms:** CD371; CLL-1; CLL1; DCAL-2; MICL  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331733 representing NM\_001207010.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGTGGATAGATTTCTTTACATATTCATCAATGTCTGAAGAAGTTACTTATGCAGATCTTCAATCCAG
AACTCCAGTGAGATGGAAAAATCCCAGAAATTGGCAAATTTGGGGAAAAAGCACCTCCAGCTCCCTCT
CATGTATGGCGTCCAGCAGCCTTGTTTCTGACTCTTCTGTGCCTTCTGTTGCTCATTGGATTGGGAGTC
TTGGCAAGCATGTTTACGTAACCTTTGAAGATAGAAATGAAAAAATGAACAACTACAAAACATCAGT
GAAGAGCTCCAGAGAAATATTTCTTACAACCTGATGAGTAACATGAATATCTCCAACAAGATCAGGAAC
CTCTCCACCACACTGCAACAATAGCCACCAAATTATGTCGTGAGCTATATAGCAAAGAACAAGAGCAC
AAATGTAAGCCTTGCCAAGGAGATGGATTTGGCATAAGGACAGCTGTTATTTCCCTAAGTATGATGTC
CAAACATGGCAGGAGAGTAAAAATGGCCTGTGCTGCTCAGAAATGCCAGCCTGTTGAAGATAAAACAACAA
AATGCATTGGAATTTATAAAATCCCAGAGTAGATCATATGACTATTGGCTGGGATTATCTCTGAAGAA
GATTCCACTCGTGGTATGAGAGTGGATAATATAATCAACTCCTCTGCCTGGGTTATAAGAAACGCACCT
GACTTAAATAACATGTATTGTGGATATAAAATAGACTATATGTTCAATATTATCACTGCACTTATAAA
AAAAGAATGATATGTGAGAAGATGGCCAATCCAGTGCAGCTTGGTTCTACATATTTAGGGAGGCATGA
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001207010  
**Insert Size:** 828 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\\_001207010.1](#)

**RefSeq Size:** 1492 bp

**RefSeq ORF:** 828 bp

**Locus ID:** 160364

**UniProt ID:** [Q5QGZ9](#)

**Cytogenetics:** 12p13.31

**Protein Families:** Druggable Genome, Transmembrane

**MW:** 32 kDa

**Gene Summary:** 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]  
Transcript Variant: This variant (3) differs in the 5' UTR and initiates translation at an alternate start codon, compared to variant 1. This variant encodes isoform 3, which has a longer N-terminus, compared to isoform 1.