

## Product datasheet for SC111872

### CLEC12A (NM\_138337) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CLEC12A (NM_138337) 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 within SC111872 sequence for NM_138337 edited (data generated by NextGen Sequencing)

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ATGTCTGAAGAAGTTACTTATGCAGATCTTCAATTCCAGAACTCCAGTGAGATGGAAAA
ATCCCAGAAATTGGCAAATTTGGGGAAAAAGCACCTCCAGCTCCCTCTCATGTATGGCGT
CCAGCAGCCTTGTCTGACTCTTCTGTGCCTTCTGTTGCTCATTGGATTGGGAGTCTTG
GCAAGCATGTTTCACGTAACCTTTGAAGATAGAAATGAAAAAATGAACAACTACAAAAC
ATCAGTGAAGAGCTCCAGAGAAATATTTCTCTACAACCTGATGAGTAACATGAATATCTCC
AACAAAGATCAGGAACCTCTCCACCACACTGCAAACAATAGCCACCAAATTATGTCGTGAG
CTATATAGCAAAGAACAAGAGCACAAATGTAAGCCTTGCCAAGGAGATGGATTTGGCAT
AAGGACAGCTGTTATTTCTAAGTGATGATGTCCAACATGGCAGGAGAGTAAAAAGGCC
TGTGCTGCTCAGAATGCCAGCCTGTTGAAGATAAACAACAAAAATGCATTGGAATTTATA
AAATCCCAGAGTAGATCATATGACTATTGGCTGGGATTATCTCCTGAAGAAGATTCCACT
CGTGGTATGAGAGTGGATAATATAAATCAACTCCTCTGCCTGGGTTATAAGAAACGCACCT
GACTTAAATAACATGTATTGTGGATATATAAATAGACTATATGTTCAATATTACTACTGC
ACTTATAAACAAGAATGATATGTGAGAAGATGGCCAATCCAGTGCAGCTTGGTTCTACA
TATTTTAGGGAGGCATGA

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Clone variation with respect to NM\_138337.5  
730 a=>c



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_138337 unedited GGATTTTGAATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGTGTTAACTCAC TCATCTTTTTGTGTTTTACTTTGTCAAGATTTCTTTACATATTCATCAATGTCTGAA GAAGTTACTTATGCAGATCTTCAATCCAGAATCCAGTGAGATGGAAAAATCCCAGAA ATTGGCAAATTTGGGGAAAAAGCACCTCCAGCTCCCTCATGTATGGCGTCCAGCAGCC TTGTTTCTGACTCTTCTGTGCCTTCTGTTGCTCATTGGATTGGGAGTCTTGGCAAGCATG TTTCACGTAACCTTGAAGATAGAAATGAAAAAATGAACAACTACAAAACATCAGTGAA GAGTCCAGAGAAATATTTCTCTACAACCTGATGAGTAACATGAATATCTCCAACAAGATC AGGAACCTCTCCACCACACTGCAACAATAGCCACCAAATTATGTCGTGAGCTATATAGC AAAGAACAAGAGCACAAATGTAAGCCTTGTCCAAGGAGATGGATTTGGCATAAGGACAGC TGTTATTTCTAAGTGATGATGTCCAAACATGGCAGGAGAGTAAAATGGCCTGTGCTGCT CAGATGCCAGCCTGTTGAAGATAAACAACAAAAATGCATTGGAATTTATAAAATCCCAGA GTAGATCATATGACTATTGGCTGGGATTATCTNCTGAAGAAGATTCCACTCGTGGTATGA GAGTGGATAATAATCAACTCCTCTGCCTGNGTTATAAGAAACGCACCTGACTTAATA CATGTATTGTGGATATATAAATAGACTATATGTTTCATATTATCACTGCACCTNATAAACA AGATGATATGTGAGAAGATGCCCATNCAGTGCAGCTGGNTCTACATATTTAGGGAGGCAT GAGCATCATCAATACATGNAGGAGTGTAGGGTNGGGGGTCTAGCTATAGGTAATTAAT ATTTCTGGTGACATTANTGAGTTGNTGAGACTGGGATTT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_138337
<b>Insert Size:</b>	1700 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_138337.3</a></u> , <u><a href="#">NP_612210.3</a></u>
<b>RefSeq Size:</b>	1573 bp
<b>RefSeq ORF:</b>	798 bp
<b>Locus ID:</b>	160364
<b>UniProt ID:</b>	<u><a href="#">Q5QGZ9</a></u>
<b>Cytogenetics:</b>	12p13.31
<b>Domains:</b>	CLECT

**Protein Families:** Druggable Genome, Transmembrane

**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 (1) encodes the longest isoform (1, also referred to as alpha).