

Product datasheet for **SC334510**

CLEC12A (NM_001300730) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLEC12A (NM_001300730) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLEC12A
Synonyms:	CD371; CLL-1; CLL1; DCAL-2; MICL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001300730, the custom clone sequence may differ by one or more nucleotides

ATGTCTGAAGAAGTTACTTATGCAGATCTTCAATTCCAGAACTCCAGTGAGATGGAAAAATCCCAGAAA
 TTGGCAAATTTGGGGAAAAAGCACCTCCAGCTCCCTCTCATGTATGGCGTCCAGCAGCCTTGTCTGAC
 TCTTCTGTGCCTTCTGTTGCTCATTGGATTGGGAGTCTTGGCAAGCATGTTTCACGTAACCTTTGAAGATA
 GAAATGAAAAAATGAACAACTACAAACATCAGTGAAGAGCTCCAGAGAAATATTTCTTACAACCTGA
 TGAGTAACATGAATATCTCCAACAAGATCAGGAACCTCTCCACCACACTGCAACAATAGCCACCAAAAT
 ATGTCGTGAGCTATATAGCAAAGAACAAGAGCACAAATGTAAGCCTTGCCAAGGAGATGGATTTGGCAT
 AAGGACAGCTGTTATTTCTAAGTGATGATGTCCAAACATGGCAGGAGAGTAAAATGGCCTGTGCTGCTC
 AGAATGCCAGCCTGTTGAAGATAAACAACAAAAATGCATTGGAATTTATAAAATCCCAGAGTAGATCATA
 TGACTATTGGCTGGGATTATCTCTGAAGAAGATTCCACTCGTGGTATGAGAGTGGATAATATAATCAAC
 TCCTCTGCC**TGA**

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001300730
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:	<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_001300730.1, NP_001287659.1</u>
RefSeq Size:	1573 bp
RefSeq ORF:	642 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 (4) has multiple differences compared to variant 3. These differences result in distinct 5' and 3' UTRs, and cause translation initiation at a downstream start codon, compared to variant 3. The encoded isoform (4) has a shorter N-terminus, and a distinct C-terminus, compared to isoform 3.</p>