

Product datasheet for **SC300674**

CLEC2D (NM_001004419) Human Untagged Clone

Product data:

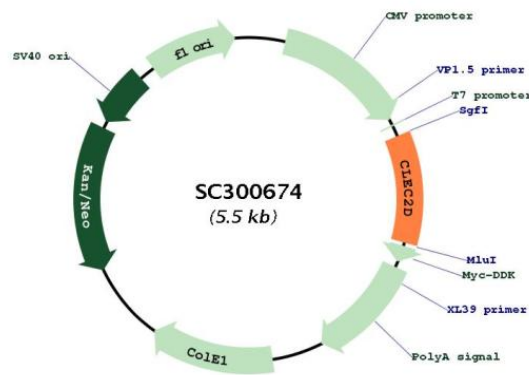
Product Type:	Expression Plasmids
Product Name:	CLEC2D (NM_001004419) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLEC2D
Synonyms:	CLAX; LLT1; OCIL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300674 representing NM_001004419. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCATGACAGTAACAATGTGGAGAAAGACATTACACCATCTGAATTGCCTGCAAACCCAGGTTGTCTG
CATTCAAAGAGCATTCTATTAAGCTACCTTAATTTGGCGTTATTTTCTTAATCATGTTTCTGACA
ATCATAGTGTGTGAATGGTTGCTGCTTAAGCGCAATAAGAGCTAACTGCCATCAAGAGCCATCAGTA
TGTCTTCAAGCTGCATGCCAGAAAGCTGGATTGGTTTTCAAAGAAAGTGTTCATTTTTCTGATGAC
ACCAAGAAGCTGGACATCAAGTCAGAGGTTTTGTACTCACAAGATGCTGATCTTGCTCAGGTTGAAAGC
TTCCAGGAAGCTGAATTTCTGTTGAGATATAAAGGCCATCTGATCACTGGATTGGGCTGAGCAGAGAA
CAAGGCCAACCATGGAAATGGATAAATGGTACTGAATGGACAAGACAGTTAGTCATGAAAGAAGATGGT
GCCAAGTTGTATGTTGCAAAGTTTTACAAGTTCCTCGAATGAATCCAAGACCTGTCATGTTTCTCAT
CCTGGGAGCAGGAGAGTGTGCCTATTTGAATGATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



[View online »](#)

Plasmid Map:


ACCN: NM_001004419

Insert Size: 585 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.

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:

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_001004419.4
RefSeq Size:	5366 bp
RefSeq ORF:	585 bp
Locus ID:	29121
UniProt ID:	Q9UHP7
Cytogenetics:	12p13.31
Protein Families:	Druggable Genome, Transmembrane
MW:	22.3 kDa
Gene Summary:	<p>This gene encodes a member of the natural killer cell receptor C-type lectin family. The encoded protein inhibits osteoclast formation and contains a transmembrane domain near the N-terminus as well as the C-type lectin-like extracellular domain. Several alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Oct 2010]</p> <p>Transcript Variant: This variant (2) includes an additional exon, compared to variant 1, that causes a frameshift. The resulting isoform (2) is longer and has a distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>