

## Product datasheet for **SC334342**

### CLEC1 (CLEC1A) (NM\_001297750) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CLEC1 (CLEC1A) (NM_001297750) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLEC1
Synonyms:	CLEC-1; CLEC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001297750, the custom clone sequence may differ by one or more nucleotides

```
ATGGAAGAAAGATTAGGAAATACGTCCCAAGAGTTGCAATCTCTTCAAGTCCAGAATATAAAGCTTGCAG
GAAGTCTGCAGCATGTGGCTGAAAACTCTGTCGTGAGCTGTATAACAAAGCTGGAGCACACAGGTGCAG
CCCTTGTACAGAACAATGGAAATGGCATGGAGACAATTGCTACCAGTTCTATAAAGACAGCAAAAGTTGG
GAGGACTGTAATATTTCTGCCTTAGTGAAAACTCTACCATGCTGAAGATAAACAAACAAGAAGACCTGG
AATTTGCCGCTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTGGACAGGGCTTTTGCGCCCTGACAG
TGGCAAGGCCTGGCTGTGGATGGATGGAACCCCTTCACTTCTGAACTGTTCCATATTATAATAGATGTC
ACCAGCCAAGAAGCAGAGACTGTGTGGCCATCCTTAATGGGATGATCTTCTCAAAGGACTGCAAAGAAT
TGAAGCGTTGTGTCTGTGAGAGAAGGGCAGGAATGGTGAAGCCAGAGAGCCTCCATGTCCCCCTGAAAC
ATTAGGCGAAGGTGACTGA
```

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001297750
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).



**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\\_001297750.1](#), [NP\\_001284679.1](#)

**RefSeq Size:** 2879 bp

**RefSeq ORF:** 579 bp

**Locus ID:** 51267

**UniProt ID:** [Q8NC01](#)

**Cytogenetics:** 12p13.2

**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 encoded protein may play a role in regulating dendritic cell function. This gene is closely linked to other CTL/CTLD superfamily members on chromosome 12p13 in the natural killer gene complex region. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

**Transcript Variant:** This variant (4) contains an alternate exon compared to variant 1. This variant represents translation initiation at a downstream AUG compared to variant 1; the 5'-most initiation codon, as used in variant 1, is associated with a truncated ORF that would render the transcript a candidate for nonsense-mediated decay (NMD). Leaky scanning may allow translation initiation at the downstream AUG to encode an isoform (d) that has a shorter N-terminus, compared to isoform a. Variants 4 and 5 encode the same isoform.

**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.