

Product datasheet for SC114732

DCL 1 (CD302) (NM_014880) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | DCL 1 (CD302) (NM_014880) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | DCL 1 |
| Synonyms: | BIMLEC; CLEC13A; DCL-1; DCL1 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF within SC114732 sequence for NM_014880 edited (data generated by NextGen Sequencing) |

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ATGCTCCGGGCCGCGCTGCCGCGCTCCTGCTGCCGTTGCTGGGCCCTCGCCGCTGCTGCC
GTCGCGGACTGTCTTCGTCTACTTGGATTCAGTTCCAAGACAGTTGTTACATTTTTCTC
CAAGAAGCCATCAAAGTAGAAAGCATAGAGGATGTCAGAAATCAGTGTACTGACCATGGA
GCGGACATGATAAGCATACATAATGAAGAAGAAAATGCTTTTATACTGGATACTTTGAAA
AAGCAATGGAAAGGCCAGATGATATCCTACTAGGCATGTTTTATGACACAGATGATGCG
AGTTTCAAGTGGTTTGATAATTCAAATATGACATTTGATAAGTGGACAGACCAAGATGAT
GATGAGGATTTAGTTGACACCTGTGCTTTTCTGCACATCAAGACAGGTGAATGGAAAAAA
GGAAATTGTGAAGTTTCTTCTGTGGAAGGAACACTATGCAAAAACAGCTATCCCATACAAA
AGGAAATATTTATCAGATAACCACATTTAATATCAGCATTGGTGATTGCTAGCACGGTA
ATTTTGACAGTTTTGGGAGCAATCATTTGGTTCCTGTACAAAAACATTCTGATTCTCGT
TTCACCACAGTTTTTTCAACCGCACCCCAATCACCTTATAATGAAGACTGTGTTTTGGTA
GTTGGAGAAGAAAATGAATATCCTGTTCAATTTGACTAA

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Clone variation with respect to NM_014880.4
78 a->g



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| 5' Read Nucleotide Sequence: | <p>>OriGene 5' read for NM_014880 unedited</p> <pre> TTTGTACTACGTTCTCCTATAGGGCGGCCGCAATTCGGCACGAGGGCAGCCGCTGCCGC CCACCCGCACCCGCCGTCATGCTCCGGGCCGCGCTGCCCGCGCTCCTGCTGCCGTTGCTG GGCCTCGCCGCTGCTGCCGTCCGGGACTGTCCTTCGTCTACTTGGATTGAGTTCCAAGAC AGTTGTTACATTTTTCTCCAAGAAGCCATCAAAGTAGAAAGCATAGAGGATGTCAGAAAT CAGTGTACTGACCATGGAGCGGACATGATAAGCATACATAATGAAGAAGAAAATGCTTTT ATACTGGATACTTTGAAAAAGCAATGAAAGGCCAGATGATATCCTACTAGGCATGTTT TATGACACAGATGATGCGAGTTTCAAGTGGTTTGATAATTCAAAATGACATTTGATAAG TGGACAGACCAAGATGATGATGAGGATTTAGTTGACACCTGTGCTTTTCTGCACATCAAG ACAGGTGAATGGAAAAAGGAAATTGTGAAGTTTCTTCTGTGGAAGGAACACTATGCAAA ACAGCTATCCCATACAAAAGGAAATATTTATCAGATAACCCACATTTTAATATCAGCATTG GTGATTGCTAGCACGGTAATTCTGACAGTTTTGGGAGCAATCATTGGTTCCTGTACAAA AAACATTCTGATTCTCGTTTACCACAGTTTTTCAACCCGACCCCCATCACCTTATAAT GAAGACTGTGTTTTGGTAGTTGGAGAAGAAAATGAATATCCTGTTCAATTTGACTAAGTT CTTGGGTAATCTTGCACTAAGACATCAACANAATGGCCCTGGCAGAGATAACTTGNNGAA AGATTCTATATANAACCTGACATCGGATATTAGAGCTTTAATGGTATNCCTTATCCAGTA CCATTTTATGACTCATCTGCTGNGAAAAGTCTTAG </pre> |
| 3' Read Nucleotide Sequence: | <p>>OriGene 3' read for NM_014880 unedited</p> <pre> CGCGGCCGCATTCTANATCGAGTTTTTTTTTTTTTTTTTTTGTCTAACCCATAAACTTTA TTTTAAAAATTTAACTAGATGGTACAAAACATTCATTGGTATGCACATAATTCTGTATAG TTTTGTTATTAATGCTAAATGACAGTGATAACAATGGCTTAAGCTTTACAGTATTCCTG TAGTTCCTAGTACCACTTAGTATTTAAATATTGTCATATTAGCTTCAGATTATCATGTA AATGACGGTAGAGGAATAAGAGAAAAGGCTTTCATTGGTTATCAGTTTTAAATCTGAAC AAAAGAGACCATACACTGCTCACTACAAGAATGCAATTTTCTAAGAAAATGTAGTTTAAA ATGTTATTCTGAATATCTGCCAAGAATTATATTGTTATTAGTAGCTAGAACCAAGATGT TGAAGAAAGCAGTTTCTACATTCTGGATGTAGTAAACAAGCCTGCCTGTGTAATCCAATT ATCTCTTCACTAATGAGTAGATAAGGGCGCTGTATAGATGTTCTGGTATATAAAGAAAA AATGTAGGCCAAGTGTGGCGGCTCACGCCATGTAATCCCAGCACTTTGGGAGACCAAGGG GGGTGGATCACCTTGAGTAAGGAGCTCGAGACCAACCAATTAATATGGCGAAACCCCGC CTCTACCAAAAAACAAAAAGTTACCTGGGTGGGGGACAGAAGTCTGTGGCTCCCCTT TCTAAGAAGCCGCGAGGAGGAAAATTGCTTGAAAACCTGCCCGGCGGAGATTGCCAGACC CAATATCGACCACGGCCTGGTAACTGGGCAAGGAAACCCCGCTTATATTTTATTTA TCCACTTTTTACCAAGCCCTTGCCCGGTGAAAGGAACCCCTTTGTAATAATCCCC GTCTAGAGCCCTTCTGAAAGACCGCCTTTGGCCAAAG </pre> |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_014880 |
| Insert Size: | 4000 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). |

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_014880.3](#), [NP_055695.2](#)

RefSeq Size: 3740 bp

RefSeq ORF: 699 bp

Locus ID: 9936

UniProt ID: [Q8IX05](#)

Cytogenetics: 2q24.2

Domains: CLECT

Protein Families: Druggable Genome, Transmembrane

Gene Summary: CD302 is a C-type lectin receptor involved in cell adhesion and migration, as well as endocytosis and phagocytosis (Kato et al., 2007 [PubMed 17947679]).[supplied by OMIM, Aug 2008]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest 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.