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Product datasheet for SC120271

CLEC4D (NM_080387) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLEC4D (NM_080387) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLEC4D
Synonyms:	CD368; CLEC-6; CLEC6; CLECSF8; Dectin-3; MCL; MPCL
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene sequence for NM_080387 edited
GAATTCGGCACGAGCATTGGTGTTCGATCTCAAGTATTTCTGAATATATTCCCCTATCCA
CAGAAATATACTCTGGGGGAAAAAAAATAGAACAAATTCTTGCCGTCCTGACCATTGAAC
AAGAGACTAATTAGACAATGGGGCTAGAAAAACCTCAAAGTAAACTGGAAGGAGGCATGC
ATCCCCAGCTGATACCTTCGGTTATTGCTGTAGTTTTCATCTTACTTCTCAGTGTCTGTT
TTATTGCAAGTTGTTTGGTGACTCATCACAACTTTTCACGCTGTAAGAGAGGCACAGGAG
TGCACAAGTTAGAGCACCATGCAAAGCTCAAATGCATCAAAGAGAAATCAGAACTGAAAA
GTGCTGAAGGGAGCACCTGGAACTGTTGTCCTATTGACTGGAGAGCCTTCCAGTCCAACT
GCTATTTTCCTCTTACTGACAACAAGACGTGGGCTGAGAGTGAAAGGAACTGTTCAGGGA
TGGGGGCCCATCTGATGACCATCAGCACGGAAGCTGAGCAGAACTTTATTATTCAGTTTC
TGGATAGACGGCTTTCCTATTTCCTTGGACTTAGAGATGAGAATGCCAAAGGTCAGTGGC
GTTGGGTGGACCAGACGCCATTTAACCCACGCAGAGTATTCTGGCATAAGAATGAACCCG
ACAACTCTCAGGGAGAAAACTGTGTTGTTCTTGTTTATAACCAAGATAAATGGGCCTGGA
ATGATGTTCCTTGTAACTTTGAAGCAAGTAGGATTTGTAAAATACCTGGAACAACATTGA
ACTAGAAACTCAGAAAGTGGTCCTTGTGATGGAAAGAGAAAAGAAAAACCAATTAGAATA
AGGCAGAATGTACGTGCGTCATTGGAACACAGAAAACATGCTGGTTCATACAGCGTTTTT
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TAGCTCTTAAAATTCAAAGATGGGATATTCTAACTGGTAGTGGTGCATCATTTTTAACCC
AAATATTGCAAGCACTTTXXXXXXXXXXXXXXXXXXXXXXXXXXCAACAGTGTGGAATA
GTTCTGAATTATGCTGTTCTACAGATAGAAAAAAAGTCCAAATGCCTTTAAAAATTTACT
TCTTACTCCACCCAACACGTTTTTGCAAAGCAAGAAGTCTTTGTAAGACACCTTAAACAA
AGTCCTTCAATTCTACAGCAGAGGAAATAAAATCCCCCAGAAGCCAAAGGGCTCACCTTC
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GGTATCACAGGAAGTTACTGGGGATTACTCGACCTCATTACTTAGCTAACGACTGGATAA
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AATAATCACATTTTCAACCCATTTATACAAATTGTTAATGTTTCTTTAGAGCTGTATAAC
TATAGTTTGAACTAGCAAGGAAGTTATTGTTTTGACAACCAGAAATTATGCTTTTCTGGT
GCATGAAACATTAATTGCAAAGGGCAGTCACATCCAACTTTAATAAAATATGGTGGTCTT
TCTTAAAAAAAAAAAAAAAAAAAAAAAACTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_080387 unedited
TGTCTCAGGTCATATTTNCGTNAATTACGNAAACTTCACTTCATTAGAGNGNACAGGCAC
GACGNAAATTACAGGNCACGAAGTCATTTGGCTGGTTACGACTCTCAAGCTATTCTCATG
AATATACTCTCCCCTATCCACAGTAAATATACCTCTGGGGAGAAAAAAAATAGAACAAAT
TCTTGCCGTCCTGACCATTGAACAAGAGACTAATTAGACAATGGGGCTAGAAAAACCTCA
AAGTAAACTGGAAGGAGGCATGCATCCCCAGCTGATACCTTCGGTTATTGCTGTAGTTTT
CATCTTACTTCTCAGTGTCTGTTTTATTGCAAGTTGTTTGGTGACTCATCACAACTTTTC
ACGCTGTAAGATAGGCACAGGAGTGCACAAGTTATAGCACCATGCAAAGCTCAAATGCAT
CAAAGAGAAATCAGAACTGAAAAGTGCTGAAGGGAGCACCTGGAACTGTTGTCCTATTGA
CTGGAGAGCCTTCCAGTCCAACTGCTATTTTCCTCTTACTGACAACAAGACGTGGGCTGA
GAGTGAAAGGAACTGTTCAGGGATGGGGGCCCATCTGATGACCATCAGCACGGAAGCTGA
GCAGAACTTTATTATTCAGTTTCTGGATAGACGGCTTTCCTATTTCCTTGGACTTAGAGA
TGAGAATGCCAAAGGTCAGTGGCGTTGGGTGGACCANACGCCATTTAACCCACGCAGAGT
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ATAACCAAGATAAATGGGCCTGGAATGATGTTCCTTGTAACTTTGAAGCAAGTAGGATTT
GTAAAATACCTGGAACAACATTGAACTAAAACTCAAAAGTGGTCCTTGTGATGGAAAGAG
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GNTATACAGCGTTTTTATCATATGGGCCTTTTTATTTTGTGG

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_080387 unedited
NCCGGAATTCTATGGAACCGCGGCCGCATTCTAGNGATCGGTTTTTTTTTTTTTTTTTTT
TTTTTAAAAAAAACCACCTATTTTATTAAAGTTGGATGTGACTGCCCTTTGCAATTAATG
TTTCATGCACCAGAAAAGCATAATTTCTGGTTGTCAAAACAATAACTTCCTTGCTAGTTC
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TGATTATTTTCTATTCAAATTAATAATGCAAACACGAATACAATGTTACTTCAAACAATT
AAAAAATTTTATCCAGTCGTTAGCTAAGTAATGAGGTCGAGTAATCCCCAGTAACTTCCT
GTGATACCAAAGGGAATGTATGTTATCTCTAATGAAGCACACCTGGGTCTGTCATGAACT
AACAATGTGAAGGTGAACCCTTTGGCTTCTGGGGGATTTTATTTCCTCTGCTGTAAAATT
GAAAGACTTTGTTTAAAGGGTCTTACAAAGACTTCTTGCTTTGCAAAAACCTGTTGGGTG
GAGTAAGAAATAAATTTTTAAAGGCCTTTGGACTTTTTTTCTATCTGGAGAACAGCATAA
TTCAAAACTATTCCACACTGGTGTTCTGGAAAAATTTTCCTCAAGCCATGTAATTGTAAA
GACTGACATTAAAAAGTCTGAAAATGAAACATCCAACAATAAAAATGTGGGTTCAAAACT
TTAAAGTGCTTGGCATATTTGGGTTAAAAATGAAGCACCCCTTCCAGTTAGAATATTCCA
TCTTTGGATTTTAAGAACCTAAAGTCTGGAAAGGGAAAAATGACAAAAAAATTGCTTAAT
TCCGCCTTTCCTCCATACTGGCATTCGTGGCCACC
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Restriction Sites: NotI-NotI

ACCN: NM_080387

Insert Size: 2000 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_080387.4, NP_525126.2

RefSeq Size: 1973 bp

RefSeq ORF: 648 bp

Locus ID: 338339

UniProt ID: Q8WXI8

Cytogenetics: 12p13.31

Domains: 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 signalling, glycoprotein turnover, and roles in inflammation and immune response. This gene is closely linked to other CTL/CTLD superfamily members on chromosome 12p13 in the natural killer gene complex region. [provided by RefSeq, Jul 2008]