

Product datasheet for **SC330339**

COLEC11 (NM_001255984) Human Untagged Clone

Product data:

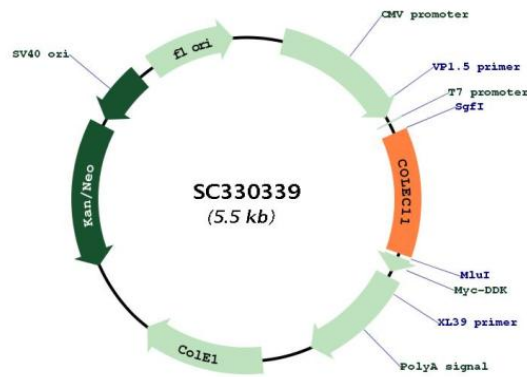
Product Type: Expression Plasmids
Product Name: COLEC11 (NM_001255984) Human Untagged Clone
Tag: Tag Free
Symbol: COLEC11
Synonyms: 3MC2; CL-11; CL-K1-I; CL-K1-II; CL-K1-IIa; CL-K1-IIb; CLK1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330339 representing NM_001255984.
Blue=Insert sequence **Red**=Cloning site **Green**=Tag(s)

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ATGAGGGGAATCTGGCCCTGGTGGCGTTCTAATCAGCCTGGCCTTCCTGTCAGTCTGCCATCTGGA  
CATCCTCAGCCGGCTGGCGATGACGCCTGCTCTGTGCAGATCCTCGTCCCTGGCCTCAAAGGTGAGAAA  
GGAGATTCCGGTGACATAGGACCCCTGGTCCTAATGGAGAACCAGGCCTCCCATGTGAGTGCAGCCAG  
CTGCGCAAGCCATCGGGGAGATGGACAACCAGGTCTCTCAGCTGACCAGCGAGCTCAAGTTCATCAAG  
AATGCTGTCGCCGGTGTGCGGAGACGGAGAGCAAGATCTACCTGCTGGTGAAGGAGGAGAAGCGCTAC  
GCGGACGCCAGCTGTCCTGCCAGGGCCGCGGGGCACGCTGAGCATGCCAAGGACGAGGCTGCCAAT  
GGCCTGATGGCCGATACCTGGCGCAAGCCGGCCTGGCCCGTGTCTTCATCGGCATCAACGACCTGGAG  
AAGGAGGGCGCCTTCGTGTACTCTGACCACTCCCCATGCGGACCTTCAACAAGTGGCGCAGCGGTGAG  
CCCAACAATGCCTACGACGAGGAGGACTGCGTGGAGATGGTGGCCTCGGGCGGCTGGAACGACGTGGCC  
TGCCACACCACCATGTACTTCATGTGTGAGTTTGACAAGGAGAACATGTGA
```

Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001255984

Insert Size: 672 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_001255984.1](#)

RefSeq Size: 1561 bp

RefSeq ORF: 672 bp

Locus ID: 78989

UniProt ID: [Q9BWP8](#)

Cytogenetics: 2p25.3

MW: 24 kDa

Gene Summary: This gene encodes a member of the collectin family of C-type lectins that possess collagen-like sequences and carbohydrate recognition domains. Collectins are secreted proteins that play important roles in the innate immune system by binding to carbohydrate antigens on microorganisms, facilitating their recognition and removal. The encoded protein binds to multiple sugars with a preference for fucose and mannose. Mutations in this gene are a cause of 3MC syndrome-2. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]

Transcript Variant: This variant (5) lacks two consecutive exons in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (e) is shorter than isoform a.