

## Product datasheet for **SC126330**

### COLEC11 (NM\_024027) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** COLEC11 (NM\_024027) 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  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_024027 edited  
 CGGGCCAGCGACGGGCAGGACGCCCGTTCCGCTAGCGCGTGCTCAGGAGTTGGTGTCT  
 GCCTGCGCTCAGGATGAGGGGGAATCTGGCCCTGGTGGCGTTCTAATCAGCCTGGCCTT  
 CCTGTCACTGCTGCCATCTGGACATCCTCAGCCGGCTGGCGATGACGCCCTGCTCTGTGCA  
 GATCCTCGTCCCTGGCCTCAAAGGGGATGCGGGAGAGAAGGGAGACAAAGCGCCCCCGG  
 ACGGCCTGGAAGAGTCGGCCCCACGGGAGAAAAAGGAGACATGGGGGACAAAGGACAGAA  
 AGGCAGTGTGGTTCGTCATGGAAAAATTGGTCCATTGGCTCTAAAGGTGAGAAAGGAGA  
 TTCCGGTGACATAGGACCCCTGGTCTAATGGAGAACCAGGCCTCCCATGTGAGTGCAG  
 CCAGCTGCGCAAGGCCATCGGGGAGATGGACAACCAGGTCTCTCAGCTGACCAGCGAGCT  
 CAAGTTCATCAAGAATGCTGTGCGCGGTGTGCGGAGACGGAGAGCAAGATCTACCTGCT  
 GGTGAAGGAGGAGAAGCGCTACGCGGACGCCAGCTGTCTGCCAGGGCCGCGGGGGCAC  
 GCTGAGCATGCCAAGGACGAGGCTGCCAATGGCCTGATGGCCGATACCTGGCGCAAGC  
 CGGCCTGGCCCGTGTCTTCATCGGCATCAACGACCTGGAGAAGGAGGGCGCCTTCGTGTA  
 CTCTGACCACTCCCCATGCGGACCTTCAACAAGTGGCGCAGCGGTGAGCCCAACAATGC  
 CTACGACGAGGAGGACTGCGTGGAGATGGTGGCCTCGGGCGGCTGGAACGACGTGGCCTG  
 CCACACCACCATGTAATCATGTGTGAGTTTGACAAGGAGAACATGTGAGCCTCAGGCTG  
 GGGCTGCCATTGGGGGCCACATGTCCCTGCAGGTTGGCAGGGACAGAGCCAGACC  
 ATGGTGCCAGCCAGGGAGCTGTCCCTCTGTGAAGGGTGGAGGCTCACTGAGTAGAGGGCT  
 GTTGTCTAAACTGAGAAAATGGCCTATGCTTAAGAGGAAAATGAAAGTGTCTCTGGGGTG  
 CTGTCTGAAGAAGCAGAGTTTCAATTACCTGTATTGTAGCCCAATGTCAATTATGTAAT  
 TATTACCAGAATTGCTCTTCCATAAAGCTTGTGCCTTTGTCCAAGCTATACAATAAAAT  
 CTTTAAGTAGTGAGTAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_024027 unedited GTCAGTCAGTATTTGTATACCATCATATAGGCGGCCGCGTAATTCGCACGAGGCGGGCCA GCGACGGGCAGGACGCCCCGTTTCGCTAGCGCGTGCTCAGGAGTTGGTGTCTGCCTGCG CTCAGGATGAGGGGAATCTGGCCCTGGTGGGCGTTCTAATCAGCCTGGCCTTCTGTCA CTGCTGCCATCTGGACATCTCAGCCGGCTGGCGATGACGCCTGCTCTGTGCAGATCCTC GTCCCTGGCCTCAAAGGGGATGCGGGAGAGAAGGGAGACAAAGGCGCCCCGGACGGCT GGAAGAGTCGGCCCCACGGGAGAAAAAGGAGACATGGGGGACAAAGGACAGAAAGGCAGT GTGGGTGTCATGGAAAAATTGGTCCCATTGGCTCTAAAGGTGAGAAAGGAGATTCCGGT GACATAGGACCCCTGGTCTAATGGAGAACCAGGCCTCCCATGTGAGTGCAGCCAGCTG CGCAAGGCCATCGGGGAGATGGACAACCAGGTCTCTCAGCTGACCAGCGAGCTCAAGTTC ATCAAGAATGCTGTCGCCGGTGTGCGGAGACGGAGAGCAAGATCTACCTGCTGGTGAAG GAGGAGAAGCGCTACGCGGACGCCAGCTGTCTGCCAGGGCCGCGGGGACGCTGAGC ATGCCAAGGACGAGGCTGCCAATGGCCTGATGGCCGCATACCTGGCGCAAGCCGGCCTG GCCCGTGTCTTCATCGGCATCAACGACCTTGAGAAGAGGGCGCCTTCGTGTACTCTGAC CACTCCCCATGCGGNACCTTCAACAAGTGGGCGCAGCGGTGAGCCCCAACATGCCTACA ACGAAGAAGAAGTGCCTGGAAGATAGTGGGCCCTCGGNCGGGCTGGNAACCACGTGGCCC TGGCACACCACCATGTN
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_024027
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_024027.3</a> , <a href="#">NP_076932.1</a>
<b>RefSeq Size:</b>	1320 bp
<b>RefSeq ORF:</b>	816 bp
<b>Locus ID:</b>	78989
<b>UniProt ID:</b>	<a href="#">Q9BWP8</a>
<b>Cytogenetics:</b>	2p25.3

**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 (1) encodes isoform a.