

Product datasheet for SC307907

COLEC11 (NM_199235) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COLEC11 (NM_199235) 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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307907 representing NM_199235. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACGCCTGCTCTGTGCAGATCCTCGTCCCTGGCCTCAAAGGGGATGCGGGAGAGAAGGGAGACAAAG
GCGCCCCCGGACGGCCTGGAAGAGTCGGCCCCACGGGAGAAAAAGCAGTCACAGCCAGTCGTGACAGCT
TCTGACATCTCCAAAAGGAAGTGCACCTCGTCTTTGTAGAAATGGGATCACAGGGAGACATGGGGGAC
AAAGGACAGAAAGGCAGTGTGGGTCGTATGGAAAAATGGTCCCATTGGCTCTAAAGGTGAGAAAGGA
GATTCGGGTGACATAGGACCCCCTGGTCTAATGGAGAACCAGGCCTCCCATGTGAGTGCAGCCAGCTG
CGCAAGGCCATCGGGGAGATGGACAACCAGGTCTCTCAGCTGACCAGCGAGCTCAAGTTCATCAAGAAAT
GCTGTGCGCCGGTGTGCGGAGACGGAGAGCAAGATCTACCTGCTGGTGAAGGAGGAGAAGCGCTACGCG
GACGCCACGCTGTCTGCCAGGGCCGCGGGGACGCTGAGCATGCCAAGGACGAGGCTGCCAATGGC
CTGATGGCCGCATACCTGGCGCAAGCCGGCCTGGCCCGTGTCTTCATCGGCATCAACGACCTGGAGAAG
GAGGGCGCCTTCGTGACTCTGACCACTCCCCATGCGGACCTTCAACAAGTGGCGCAGCGGTGAGCCC
AACAAATGCCTACGACGAGGAGGACTGCGTGGAGATGGTGGCCTCGGGCGGCTGGAACGACGTGGCCTGC
CACACCACCATGTACTTCATGTGTGAGTTTGACAAGGAGAACATGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_199235
Insert Size:	807 bp



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_199235.2
RefSeq Size:	1784 bp
RefSeq ORF:	807 bp
Locus ID:	78989
UniProt ID:	Q9BWP8
Cytogenetics:	2p25.3
MW:	29 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) includes an alternate exon in the 3' coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (b) is shorter and has a distinct N-terminus, compared to isoform a.</p>