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Product datasheet for RC203199

COLEC11 (NM_199235) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COLEC11 (NM_199235) Human Tagged ORF Clone
Tag:	Myc-DDK
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)

ORF Nucleotide Sequence:

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>RC203199 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACGCCTGCTCTGTGCAGATCCTCGTCCCTGGCCTCAAAGGGGATGCGGGAGAGAAGGGAGACAAAGG
CGCCCCCGGACGGCCTGGAAGAGTCGGCCCCACGGGAGAAAAAGCAGTCACAGCCAGTCGTGACAGCTTC
TGACATCTCCAAAAGGAAGTGCACCTCGTCCTTTGTAGAAATGGGATCACAGGGAGACATGGGGGACAAA
GGACAGAAAGGCAGTGTGGGTCGTCATGGAAAAATTGGTCCCATTGGCTCTAAAGGTGAGAAAGGAGATT
CCGGTGACATAGGACCCCCTGGTCCTAATGGAGAACCAGGCCTCCCATGTGAGTGCAGCCAGCTGCGCAA
GGCCATCGGGGAGATGGACAACCAGGTCTCTCAGCTGACCAGCGAGCTCAAGTTCATCAAGAATGCTGTC
GCCGGTGTGCGCGAGACGGAGAGCAAGATCTACCTGCTGGTGAAGGAGGAGAAGCGCTACGCGGACGCCC
AGCTGTCCTGCCAGGGCCGCGGGGGCACGCTGAGCATGCCCAAGGACGAGGCTGCCAATGGCCTGATGGC
CGCATACCTGGCGCAAGCCGGCCTGGCCCGTGTCTTCATCGGCATCAACGACCTGGAGAAGGAGGGCGCC
TTCGTGTACTCTGACCACTCCCCCATGCGGACCTTCAACAAGTGGCGCAGCGGTGAGCCCAACAATGCCT
ACGACGAGGAGGACTGCGTGGAGATGGTGGCCTCGGGCGGCTGGAACGACGTGGCCTGCCACACCACCAT
GTACTTCATGTGTGAGTTTGACAAGGAGAACATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Protein Sequence:

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>RC203199 protein sequence
Red=Cloning site Green=Tags(s)

MTPALCRSSSLASKGMRERRETKAPPDGLEESAPREKKQSQPVVTASDISKRKCTSSFVEMGSQGDMGDK
GQKGSVGRHGKIGPIGSKGEKGDSGDIGPPGPNGEPGLPCECSQLRKAIGEMDNQVSQLTSELKFIKNAV
AGVRETESKIYLLVKEEKRYADAQLSCQGRGGTLSMPKDEAANGLMAAYLAQAGLARVFIGINDLEKEGA
FVYSDHSPMRTFNKWRSGEPNNAYDEEDCVEMVASGGWNDVACHTTMYFMCEFDKENM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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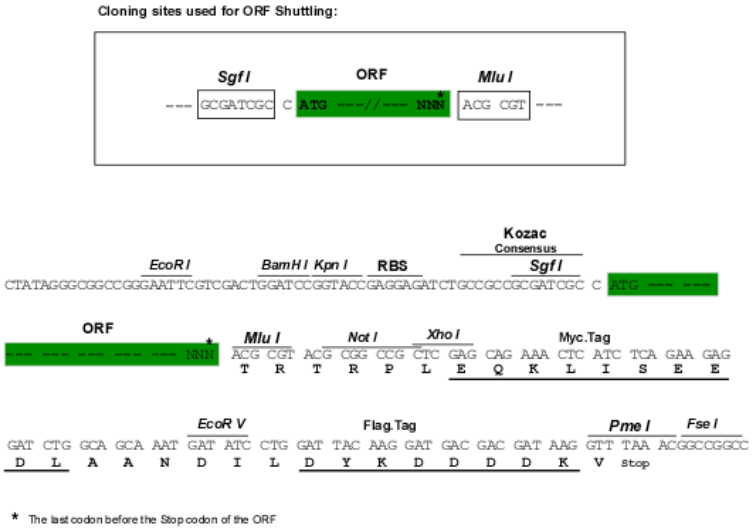
Chromatograms: https://cdn.origene.com/chromatograms/mk6557_a05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_199235

ORF Size: 804 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

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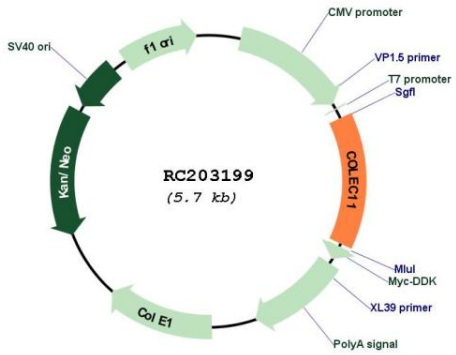
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_199235.3
RefSeq Size:	1784 bp
RefSeq ORF:	807 bp
Locus ID:	78989
UniProt ID:	Q9BWP8
Cytogenetics:	2p25.3
MW:	29 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]

Product images:



Circular map for RC203199

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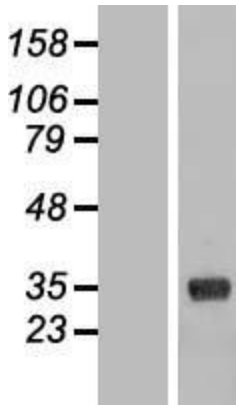
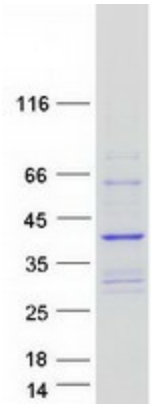


Western blot validation of overexpression lysate (Cat# [LY404629]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203199 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified COLEC11 protein (Cat# [TP303199]). The protein was produced from HEK293T cells transfected with COLEC11 cDNA clone (Cat# RC203199) using MegaTran 2.0 (Cat# [TT210002]).

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