

Product datasheet for **RC233648**

COLEC11 (NM_001255985) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: COLEC11 (NM_001255985) 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: >RC233648 representing NM_001255985
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAAGAAACAAAGAGGAGTTGGTGTCTGCTGCGCTCAGGATGAGGGGAATCTGGCCCTGGTGGGCG
TTCTAATCAGCCTGGCCTTCTGTCACTGCTGCCATCTGGACATCCTCAGCCGGCTGGCGATGACGCCTG
CTCTGTGCAGATCCTCGTCCCTGGCCTCAAAGGGGATGCGGGAGAGAAGGGAGACAAAGGCCCCCGGA
CGGCCTGGAAGAGTCGGCCCCACGGGAGAAAAAGGAGACATGGGGACAAAGGACAGAAAGGCAGTGTGG
GTCGTCATGGAAAAATTGGTCCATTGGCTCTAAAGGTGAGAAAGGAGATTCCGGTGACATAGGACCCCG
TGGTCTAATGGAGAACCAGGCCTCCCATGTGAGTGCAGCCAGCTGCGCAAGGCCATCGGGGAGATGGAC
AACCAGGTCTCTCAGCTGACCAGCGAGCTCAAGTTCATCAAGAATGCTGTGCGCCGGTGTGCGCGAGACGG
AGAGCAAGATCTACCTGCTGGTGAAGGAGGAGAAGCGCTACGCGGACGCCAGCTGTCCTGCCAGGGCCG
CGGGGGCACGCTGAGCATGCCAAAGGACGAGGCTGCCAATGGCCTGATGGCCGCATACCTGGCGCAAGCC
GGCCTGGCCCGTGTCTTCATCGGCATCAACGACCTGGAGAAGGAGGGCGCCTTCGTGTACTCTGACCACT
CCCCATGCGGACCTTCAACAAGTGGCGCAGCGGTGAGCCCAACAATGCCTACGACGAGGAGGACTGCGT
GGAGATGGTGGCCTCGGGCGCTGGAACGACGTGGCCTGCCACACCACCATGTACTTCATGTGTGAGTTT
GACAAGGAGAACATG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC233648 representing NM_001255985
Red=Cloning site Green=Tags(s)

MKKQRGVGVLPALRMRGNLALVGVLI SLAFL SLLPSGHPQPAGDDACSVQILVPGLKGDAGEKGDKGAPG
 RPGRVPTGEKGMGDKGQKGSVGRHGKIGPIGSKGEKGDSDIGPPGPNGEPLPCECSQLRKAIGEMD
 NQVSQLTSELKFIKNAVAGVRETESKIYLLVKEEKRYADAQLSCQGRGGTLSMPKDEAANGLMAAYLAQA
 GLARVFIGINDLEKEGAFVYSDHSPMRTFNKWRSGEPNNAYDEEDCVEMVASGGWNDVACHTTMYFMCEFD
 KENM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001255985

ORF Size: 855 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).

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_001255985.1](#), [NP_001242914.1](#)

RefSeq Size: 1595 bp

RefSeq ORF: 858 bp

Locus ID: 78989

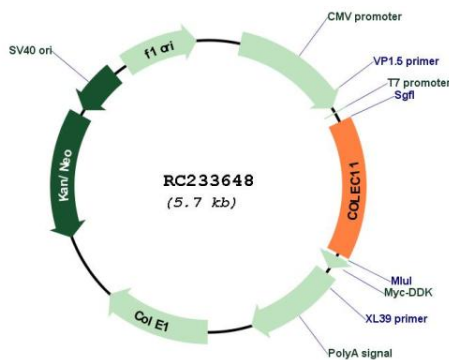
UniProt ID: [Q9BWP8](#)

Cytogenetics: 2p25.3

MW: 30.7 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 RC233648