

Product datasheet for MC211215

Colec11 (NM_027866) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Colec11 (NM_027866) Mouse Untagged Clone

Tag: Tag Free

Symbol: Colec11

Synonyms: CL-K1

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >MC211215 representing NM_027866
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGATGATGAGGGACCTGGCTCTTGCAAGCATGCTGATTAGCCTGGCTTTCCTGTCCCTGCTGCCATCTG
GATGTCCTCAGCAGACCACAGAGGACGCCTGCTCTGTGCAGATTCTTGTCCCTGGCCTCAAAGGGGATGC
AGGAGAAAAGGGAGACAAAGGAGCCCCAGGACGCCAGGAAGAGTCGGCCCTACAGGAGAAAAGGAGAC
ATGGGGGACAAAGGACAGAAAGGCACTGTGGCCGCCATGGAAAAATTGGTCCATTGGCGCAAAAGGTG
AAAAAGGAGATTCTGGTGATATCGGACCCCTGGCCCCAGTGGAGAACCCTGGTATTCCATGTGAGTGCAG
TCAGCTGAGGAAGGCTATTGGGGAGATGGACAACCAGGTCACTCAACTGACAACCTGAGCTAAAATTCATA
AAAAATGCTGTTGCTGGCGTGCGGAGACTGAGAGCAAGATCTACCTGCTGGTGAAGGAGGAGAAGCGGT
ACGCAGATGCCAGCTGTCCTGCCAAGCCGAGGCGGCACACTGAGCATGCCCAAAGACGAGGCAGCCAA
TGGCCTGATGGCTTCATACCTGGCACAGGCTGGCCTGGCCGAGTCTTCATCGGTATCAATGACCTGGAG
AAAGAAGTGCTTTCGTGTAACGACCGCTCCCCATGCAGACCTTCAACAAGTGGCGCAGTGGAGAGC
CCAACAACGCCTATGATGAGGAGGACTGTGTGGAGATGGTGGCCTCAGGTGGCTGGAATGATGTGGCCTG
CCACATTACCATGTACTTCATGTGCGAGTTTGACAAAGAGAACTT**GTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_027866

Insert Size: 819 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_027866.2, NP_082142.1</u>
RefSeq Size:	1424 bp
RefSeq ORF:	819 bp
Locus ID:	71693
UniProt ID:	<u>Q3SXB8</u>
Cytogenetics:	12 A2
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 the human gene are a cause of 3MC syndrome-2. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>