

Product datasheet for **RG217167**

CLEC4C (NM_130441) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLEC4C (NM_130441) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CLEC4C
Synonyms:	BDCA-2; BDCA2; CD303; CLECSF7; CLECSF11; DLEC; HECL; PRO34150
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217167 representing NM_130441 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCCTGAAGAAGAGCCTCAAGACCGAGAGAAAGGACTCTGGTGGTTCCAGTTGAAGGTCTGGTCCA
TGGCAGTCGTATCCATCTTGCTCCTCAGTGTCTGTTTCACTGTGAGTTCTGTGGTGCCTCACAATTTAT
GTATAGCAAACTGTCAAGAGGCTGTCCAAGTTACGAGAGTATCAACAGTATCATCCAAGCCTGACCTGC
GTCATGGAAGAAAGGACATAGAAGATTGGAGCTGCTGCCAACCCTTGGACTTCATTTAGTCTAGTT
GCTACTTTATTTCTACTGGGATGCAATCTTGGACTAAGAGTCAAAGAAGTGTCTGTGATGGGGCTGA
TCTGGTGGTATCAACACCAGGGAAGAACAGGATTTTCATCATTGAGAACTGAAAAGAAATCTTCTTAT
TTTCTGGGGCTGTGAGATCCAGGGGTCGCGACATTGGCAATGGGTTGACCAGACACCATAACAATGAAA
ATGTCACATTCTGGCACTCAGGTGAACCAATAACCTTGTGAGCGTTGTGCGATAATAAATTTCCGTTT
TTCAGAAGAATGGGGCTGGAATGACATTCATGTACCTCAGAAGTCAATTTGCAAGATGAAGAAG
ATCTACATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG217167 representing NM_130441
 Red=Cloning site Green=Tags(s)

MVPEEEPQDREKGLWWFQLKVVSMVAVSILLLSVCFTVSSVVPHPNFMYSKTVKRLSKLREYQQYHPSLTC
 VMEGKDIEDWSCCPTPWTSFQSSCYFISTGMQSWTKSQKNCSVMGADLVVINTREEQDFIIQNLKRNSY
 FLGLSDPGGRRHWQVVDQTPYNENVTFWHSGEPNNLDERCAIINFRSSEEWGWNDIHCHVPQKSICKMKK
 IYI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_130441

ORF Size: 639 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_130441.3](#)

RefSeq Size: 1314 bp

RefSeq ORF: 642 bp

Locus ID: 170482

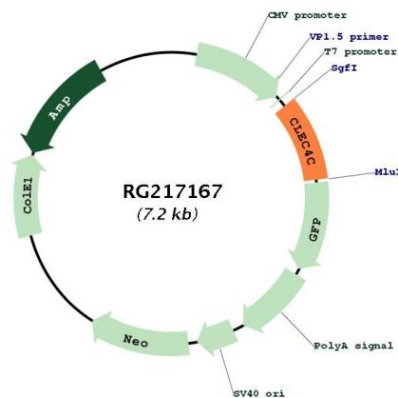
UniProt ID: [Q8WTT0](#)

Cytogenetics: 12p13.31

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signalling, glycoprotein turnover, and roles in inflammation and immune response. The encoded type 2 transmembrane protein may play a role in dendritic cell function. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG217167