

Product datasheet for **RC217091**

CLEC1B (NM_016509) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CLEC1B (NM_016509) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CLEC1B
Synonyms: 1810061113Rik; CLEC2; CLEC2B; PRO1384; QDED721
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC217091 representing NM_016509
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCAGGATGAAGATGGATACATCACCTTAAATATTTAAACTCGGAAACCAGCTCTCATCTCCGTTGGCT
CTGCATCCTCCTCCTGGTGGCGTGTGATGGCTTTGATTCTGCTGATCCTGTGCGTGGGGATGTTGTCGG
GCTGGTGGCTCTGGGATTTGGTCTGTGCATGCAGCGCAATTACCTACAAGGTGAGAATGAAAATCGCACA
GGAAGTCTGCAACAATTAGCAAAGCGCTTCTGTCAATATGTGGTAAAACAATCAGAACTAAAGGGCACTT
TCAAAGGTCATAAATGCAGCCCTGTGACACAACTGGAGATATTATGGAGATAGCTGCTATGGTTCTT
CAGGCACAACCTAACATGGGAAGAGAGTAAGCAGTACTGCACTGACATGAATGCTACTCTCCTGAAGATT
GACAACCGAACATTGTGGAGTACATCAAAGCCAGGACTCATTTAATTCGTTGGGTCGGATTATCTCGCC
AGAAGTCGAATGAGGTCTGGAAGTGGGAGGATGGCTCGGTTATCTCAGAAAAATGTTTGGAGTTTTGGA
AGATGGAAAAGGAAATATGAATTGTGCTTATTTTCATAATGGGAAAATGCACCCTACCTTCTGTGAGAAC
AAACATTATTTAATGTGTGAGAGGAAGGCTGGCATGACCAAGGTGGACCAACTACCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC217091 representing NM_016509
 Red=Cloning site Green=Tags(s)

MQDEDEGYITLNIKTRKPALISVGSASSSWWRVMAILILLILCVGMVVGLVALGIWSVMQRNYLQGENENRT
 GTLQQLAKRFQCQYVVKQSELKGTGFKGKHCSPCDTNWRYYGDSYGFRRHNLTWEEKQYCTDMNATLLKI
 DNRNIVEYIKARHLIRWVGLSRQKSNEVWKWEDGSVISENMFLEFDGKGMNCAFYFHNGMKMHPFCEN
 KHYLMCERKAGMTKVDQLP

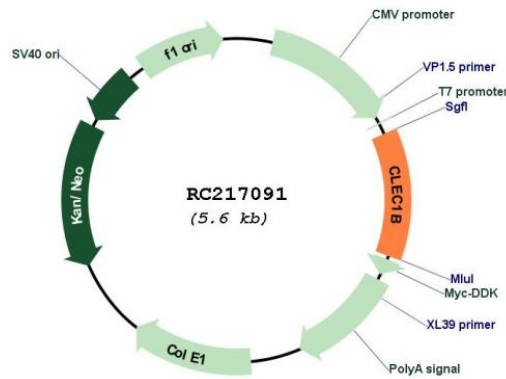
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_016509

ORF Size: 687 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:	<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_016509.3 , NP_057593.3
RefSeq Size:	982 bp
RefSeq ORF:	690 bp
Locus ID:	51266
UniProt ID:	Q9P126
Cytogenetics:	12p13.31-p13.2
Protein Families:	Druggable Genome, Transmembrane
MW:	26.6 kDa
Gene Summary:	Natural killer (NK) cells express multiple calcium-dependent (C-type) lectin-like receptors, such as CD94 (KLRD1; MIM 602894) and NKG2D (KLRC4; MIM 602893), that interact with major histocompatibility complex class I molecules and either inhibit or activate cytotoxicity and cytokine secretion. CLEC2 is a C-type lectin-like receptor expressed in myeloid cells and NK cells (Colonna et al., 2000 [PubMed 10671229]).[supplied by OMIM, Jan 2011]