

Product datasheet for MR228441

Clec1b (NM_001204239) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Clec1b (NM_001204239) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Clec1b
Synonyms: 1810061113Rik; Clec-2; Clec2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228441 representing NM_001204239
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGCAGGATGAAGATGGGTATATCACTTTAAACATCAAGCCCCGAAACAAGCTCTCAGCTCAGCGGTCA
 CACAGCAAAGTATCTACTGGCGGAGAAGGAAATCTCTCAGCGACTCTGCAACAATTGGCCAAGAAATT
 CTGCCAAGAGTTGATTAGACAATCAGAAATTAAGACAAAGAGCACTTTTGAGCACAAGTGCAGCCCTGC
 GCCACGAAGTGGAGATACCATGGAGATAGTTGCTACGGGTTCTTCAGGCGTAACCTAACATGGGAAGAGA
 GCAAGCAGTATTGCACTGAGCAGAATGCAACACTTGTGAAGACTGCCAGCCAGAGCACCTGGACTACAT
 TGCAGAAAGGATTACTTCAGTCCGTTGGATTGGATTATCACGCCAGAACTCTAAGAAAGACTGGATGTGG
 GAGGATAGCTCAGTTCTTCGCAAGAACGGGATTAATCTTCTGGGAATACAGAAGAAAACATGAATTGTG
 CTTATCTTCATAATGGAAAAATCCATCCAGCTTCCTGTAAAGAGAGACATTACTTAATATGTGAGAGAAA
 TGCTGGCATGACAAGAGTGGACCAACTGCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228441 representing NM_001204239
 Red=Cloning site Green=Tags(s)

MQDEDGYITLNIKPRKQALSSAVTQQKYLLAEKENLSATLQQLAKKFCQELIRQSEIKTKSTFEHKCSPC
 ATKWRYHGDSCYGFRRNLTWEEKQYCTEQNATLVKTASQSTLDYIAERITSVRWIGLSRQNSKKDWMW
 EDSSVLRKNGINLSGNTEENMNCAYLHNGKIHPASCKERHYLICERNAGMTRVDQLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

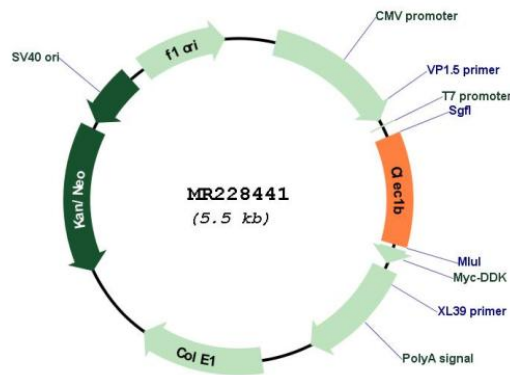


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001204239

ORF Size: 591 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_001204239.1](#), [NP_001191168.1](#)

RefSeq Size: 1074 bp

RefSeq ORF: 594 bp

Locus ID: 56760

UniProt ID: [Q9JL99](#)

Cytogenetics: 6 F3

MW: 23.3 kDa

Gene Summary: C-type lectin-like receptor that functions as a platelet receptor for the lymphatic endothelial marker, PDPN. After ligand activation, signals via sequential activation of SRC and SYK tyrosine kinases leading to activation of PLCG2.[UniProtKB/Swiss-Prot Function]