

Product datasheet for **MC225545**

Clec1b (NM_001204253) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Clec1b (NM_001204253) Mouse Untagged Clone
Tag: Tag Free
Symbol: Clec1b
Synonyms: 1810061113Rik; Clec-2; Clec2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225545 representing NM_001204253
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCAGGATGAAGATGGGTATATCACTTTAAACATCAAGCCCCGAAACAAGCTCTCAGCTCAGCGGTCA
CACAGCAAAGTATCTACTGGCGGAGAAGGAAAATCTCTCAGCGACTCTGCAACAATTGGCCAAGAAATT
CTGCCAAGAGTTGATTAGACAATCAGAAATTAAGACAAAGAGCACTTTTGGACTACATTGCAGAAAGGAT
TACTTCAGTCCGTTGGATTGGATTATCACGCCAGAACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001204253
Insert Size: 252 bp

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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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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:	<u>NM_001204253.1, NP_001191182.1</u>
RefSeq Size:	922 bp
RefSeq ORF:	252 bp
Locus ID:	56760
Cytogenetics:	6 F3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) lacks two exons in the coding region, which results in a frameshift and an early stop codon, compared to variant 1. The encoded isoform (3) is shorter and has a distinct C-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>