

Product datasheet for MR224516

Clec2d (NM_053109) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Clec2d (NM_053109) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Clec2d
Synonyms: Clr-b; Clrb; Ocil
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR224516 representing NM_053109
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGTGTACAAAGGCTTCCTACCTATGCTTAGTCCCACAGGCAGCCCGCAGGAGGTAGAAGTGGGTA
 AAATTCTCCAAGGAAAAAGGCACGGAACCATCTCCCTGAGTCTTGTGCTAAGCTTTACTGCTACTATGG
 AGTGATCATGGTCTCACTGTAGCTGTAATTGCTCTTTCTGTTGCTTTGTGAGCAACAAAGACAGAACAG
 ATCCCAGTCAACAAGACCTATGCTGCTTCCCCGAAAACCTGGATTGGAGTTGAAAATAAATGTTTTTATT
 TTTCTGAATACCAAGTAACTGGACATTCGCCAGGCCTTCTGCATGGCACAAGAGGCCCAACTAGCTCG
 GTTTGACAACCAGGATGAGCTGAATTTCCCTAATGAGATACAAGGCGAATTTTGATTCTGGATTGGCCTG
 CACAGAGAGTCGTGAGAGCACCTTGGAAAGTGGACAGACAACACTGAGTATAACAACACGATTCCCATCC
 GGGGAGAGGAAAGATTTGCCTACCTGAACAACAACGGGATCAGCAGTACCAGGATCTATTCACTTCGGAT
 GTGGATCTGTAGCAAGCTCAACAGCTATAGCCTCCACTGCCAACTCCTTTTTTCTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224516 representing NM_053109
 Red=Cloning site Green=Tags(s)

MCVTKASLPMLSPGSPQEVGVKILQGKRHGTISPESCAKLYCYYGVIMVLTVAVIALSVALSATKTEQ
 IPVNKTYAACPNWIGVENKCFYFSEYPSNWTFAQAFCAQEAQLARFDNQDELNFMRYKANFDSWIGL
 HRESSEHPWKWDNTEYNNIPIRGEERFAYLNNNGISSSTRIYSLRMWICSKLNSYSLHCQTPFFPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mm9062_e06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053109

ORF Size: 621 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_053109.3](#), [NP_444339.1](#)

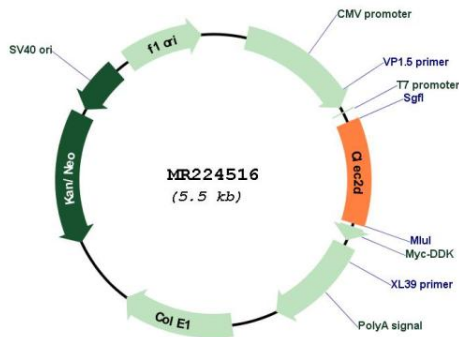
RefSeq Size: 1214 bp

RefSeq ORF: 624 bp

Locus ID: 93694

UniProt ID: [Q91V08](#)
 Cytogenetics: 6 F3
 MW: 23.6 kDa
 Gene Summary: Receptor for KLRB1B that protects target cells against natural killer cell-mediated lysis (PubMed:14990792, PubMed:16751398). Inhibits osteoclast formation (PubMed:11278931, PubMed:12374791). Binds high molecular weight sulfated glycosaminoglycans (PubMed:15123656).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224516