

## Product datasheet for MR228937

### Clec12b (NM\_001204223) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Clec12b (NM_001204223) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clec12b
Synonyms:	4933425B16Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR228937 representing NM_001204223 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTGATGAAGTGACCTATGCGACACTGATGCTTCAGGACTCTGCAAGAGTGAGGGGAATCGGGATG  
GAAATAACCTAAGAAAAGAAGGACACCCAGCTCAATCCTCACTTTGGCGAGGCGCTGCCTTGAGTTTGT  
GACCTCTGTTTGGTGCTGGTAACAGGACTGGTGACCTTGGCAACTATGTTTTTGCAGGTGTCTAATGAC  
ATTAACCTGATTCAGAGAAGTTGAGTCAGCTTCCAGAAAAGCATCCACAGCAGGACAATCTGTCTG  
AATCACTGAACAGCTCCAGAAAGAGTCTGACGGAGGAGTCTCTCCAGTCCAGATCTCTGCCCTACTGGA  
GAGGCAGGAGCAGATGGCTACCAAAGTCTGCAAGGAATTCCTCATCCACGCTTCTGACCATAAATGCAAC  
CCTTGTTCCCAAGACATGGCAATGGTATGGAAAACAGTTGCTACTATTTCTCAATCAATGAAGAGAAATCCT  
GGAGTGATAGCAGAAAGGACTGTATAGACAAGAAATGCCACTCTGGTGAAGATTGACAGCACCGAAGAAAAG  
GGATCTCCTTCAGTCACAGCTGTCCCTCACATTTCTTTCTTTTGGCTGGGATTGTCTGGAACTCATCT  
GGCAGAAACTGGCTGTGGGAGGATGGTTTATTCCCTCCAAACCCTGCTTAGTGACAAGGAGCTTGCGA  
GTTTCAATGGATCCAGAGAGTGTGCTTATTTTGAAGAGGGAATTTTACACTTCTCGTGTCTGCTGCTGA  
AATCCCTTGGATTTGTGAGAAGAGAGCCTCCCTGGTGAAGATTGAAGATTTGGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR228937 representing NM\_001204223  
 Red=Cloning site Green=Tags(s)

MSDEVTYATLMLQDSARVGRNDRGNLKEGHPAQSSLRGAALSLMTLCLVLVTGLVTLATMFLQVSND  
 INSDSEKLSQLQKSIHPQQDNLSESLNSRKSLEESLQSQISALLERQEQMATKLCKEFLIHASDHKCN  
 PCPKTWQWYGNSCYFFSINEEKSWSDSRKDCIDKNATLVKIDSTEERDLLQSQLSLTF SFFWLGLSWNSS  
 GRNWLWEDGSFPPPTLLSDKELASFNGSRECA YFERGNIYTSRCRAEIPWICEKRASLVKIEDLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001204223

**ORF Size:** 825 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\\_001204223.1](#), [NP\\_001191152.1](#)

**RefSeq Size:** 1609 bp

**RefSeq ORF:** 828 bp

**Locus ID:** 71183

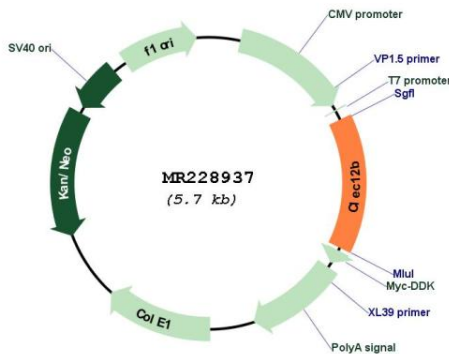
**UniProt ID:** [Q149M0](#)

**Cytogenetics:** 6 F3

**MW:** 31.4 kDa

**Gene Summary:** Cell surface receptor that protects target cells against natural killer cell-mediated lysis. Modulates signaling cascades and mediates tyrosine phosphorylation of target MAP kinases (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR228937