

Product datasheet for **MG220430**

Clec12b (NM_027709) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clec12b (NM_027709) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Clec12b
Synonyms:	4933425B16Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220430 representing NM_027709 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGATGAAGTGACCTATGCGACACTGATGCTTCAGGACTCTGCAAGAGTGAGGGGAATCGGGATG
GAAATAACCTAAGAAAAGAAGGACACCCAGCTCAATCCTCACTTTGGCGAGGCGCTGCCTTGAGTTTGT
GACCTCTGTTTGGTGCTGGTAACAGGACTGGTGACCTTGCAACTATGTTTTGCAGGTGTCTAATGAC
ATTAACCTGATTCAGAGAAGTTGAGTCAGCTTCAGAAAAGCATCCATCCACAGCAGGACAATCTGTCTG
AATCACTGAACAGCTCCAGAAAGAGTCTGACGGAGGAGTCTCTCCAGTCCAGATCTCTGCCCTACTGGA
GAGGCAGGAGCAGATGGCTACCAAACCTCTGCAAGGAATTCCTCATCCACGCTTCTGACCATAAATGCAAC
CCTTGCCCAAGACATGGCAATGGTATGAAAACAGTTGCTACTATTTCTCAATCAATGAAGAGAAATCCT
GGAGTGATAGCAGAAAGGACTGTATAGACAAGAAATGCCACTCTGGTGAAGATTGACAGCACCGAAGAAAAG
GGATCTCCTTCAGTCACAGCTGTCCCTCACATTTCTTTCTTTGGCTGGGATTGTCTGGAACTCATCT
GGCAGAAACTGGCTGTGGGAGGATGGTTCATCCCCCTCCAACCCTGCTTAGTGACAAGGAGCTTGCGA
GTTTCAATGGATCCAGAGAGTGTGCTTATTTTGAAGAGGGAATTTTACACTTCTCGTGTCTGCTGA
AATCCCTTGGATTTGTGAGAAGAGAGCCTCCCTGGTGAAGATTGAAGATTTGGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220430 representing NM_027709
 Red=Cloning site Green=Tags(s)

MSDEVTYATLMLQDSARVGRNDRGNLKRKEGHPAQSSLRGAALSLMTLCLVLVTGLVTLATMFLQVNSD
 INSDSEKLSQLQKSIHPQQDNLSESLNRSRSLTEESLQSQISALLERQEQMATKLCKEFLIHASDHKCN
 PCPKTWQWYGNSCYFFSINEEKWSDSRKDCIDKNATLVKIDSTEERDLLQSQLSLTF SFFWLGLSWNSS
 GRNWLWEDGSFPPTLLSDKELASFNGSRECA YFERGNIYTSRCRAEIPWICEKRASLVKIEDLD

TRTRPLE - GFP Tag - V

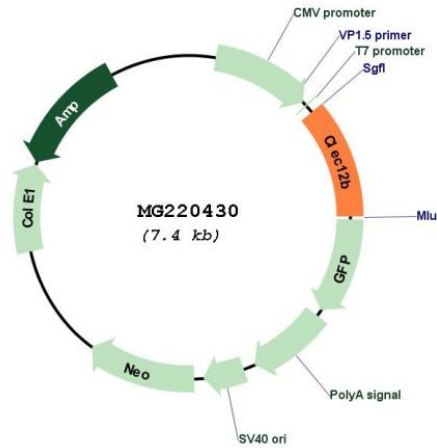
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_027709

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:	<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_027709.2 , NP_081985.1
RefSeq Size:	1521 bp
RefSeq ORF:	828 bp
Locus ID:	71183
UniProt ID:	Q149M0
Cytogenetics:	6 F3
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]