

Product datasheet for **MG220747**

Clec2i (NM_020257) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clec2i (NM_020257) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Clec2i
Synonyms:	Clr-g; Clrg; Dcl1; LCL-1; OCILrP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220747 representing NM_020257 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGATTGCTTGGAGACAGGAGAAAACTGTTGTACATAACATGAATGCCAGTGTGTACAGAAGC
CAGAAGAGGGCAATGGACCCCTTGGAACTGGAGGTAATAATGTCCAAGGAAAATGTTTCAGAATCATCTC
CACTGTGTCTCCTGTTAACTTTACTGCTGCTATGGAGTGATCATGGTCCTCACTGTAGCTGAATTGCT
CTTTCTGTTGCTTTGTCAACAAAAAGACAGAACAGATCATAATCAACAAGACCTATGCTGCTTGCTCAA
AAAAGTGGACTGGAGTTGAAATAAATGTTTTATTTTTCTGGATACCCACGTAAGTGGACATTTGCCCA
GGCCTTCTGCATGGCACAAGAGGCCCACTAGCTCGGTTTGACAACGAGGAGGAGCTGATTTTCTAAAG
AGATTCAGGGGGATTTTGATTGCTGGATTGGCCTGCACAGAGAGTCGTCAGAGCACCCCTTGAAGTGA
CAAACAACACTGAGTATAACAACATGAATCCCATCCTAGGAGTGGGAAGATATGCCTACCTGAGCAGCGA
TAGGATCAGCAGTTCGAGGAGCTATATAAATCGGATGTGGATCTGTAGCAAGCTCAACAACATAACCTC
CATTGCCAAACTCCTCTGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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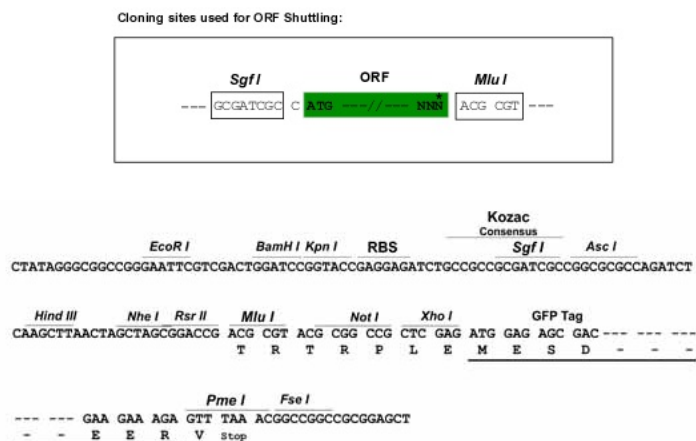
Protein Sequence: >MG220747 representing NM_020257
 Red=Cloning site Green=Tags(s)

MPDCLETGEKLFVHMNAQCQVKPEEGNGPLGTGGKIVQKCFRIISTVSPVKLYCCYGVIMVLTVAVIA
 LSVLSTKKTEQIIINKTYAACSKNWTGVGNKCFYFSGYPRNWTFAQAFCAQEAQLARFDNEEELIFLK
 RFKGDGDCWIGLHRESSEHPWKWTNNTENYNNMNPILGVGRYAYLSSDRISSRSYINRMWICSKLNNYNL
 HCQTPPV

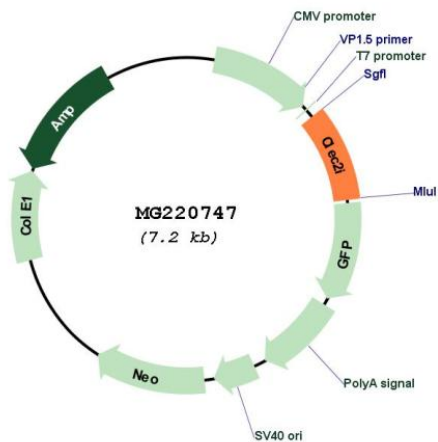
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_020257

ORF Size: 651 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_020257.2 , NP_064653.1
RefSeq Size:	988 bp
RefSeq ORF:	654 bp
Locus ID:	93675
UniProt ID:	Q9WVF9
Cytogenetics:	6 F3
Gene Summary:	Inhibits osteoclast formation. Receptor for KLRB1F. Enhances T-cell activation. Plays a role in splenocyte activation, T-cell responses and IL-2 production.[UniProtKB/Swiss-Prot Function]