

Product datasheet for MR228593

Clec2i (NM_001289707) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clec2i (NM_001289707) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clec2i
Synonyms:	Clr-g; Clrg; Dcl1; LCL-1; OCILrP2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR228593 representing NM_001289707 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGATTGCTTGGAGACAGGAGAAAACTGTTTGTACATAACATGAATGCCAGTGTGTACAGAAGC
CAGAAGAGGGCAATGGACCCCTTGGAACTGGAGGTGTGCAATGTTGTAATTTGCAAGGAAAAATGTTT
CAGAATCATCTCCACTGTGTCTCTGTTAACTTTACTGCTGCTATGGAGTGATCATGGTCTCACTGTA
GCTGTAATTGCTCTTTCTGTTGCTTTGTCAACAAAAAGACAGAACAGATCATAATCAACAGACCTATG
CTGCTTGCTCAAAAACTGGACTGGAGTTGAAATAAATGTTTTATTTTTCTGGATACCCACGTAAGT
GACATTTGCCAGGCTTCTGCATGGCACAAGAGGCCCACTAGCTCGGTTTGACAACGAGGAGGAGCTG
ATTTTCCTAAAGAGATTCAAGGGGGATTTTATTGCTGGATTGGCTGCACAGAGAGTCGTGAGAGCACC
CTTGAAGTGGACAAACAACACTGAGTATAACAACATGAATCCCATCCTAGGAGTGGGAAGATATGCCTA
CCTGAGCAGCGATAGGATCAGCAGTTCGAGGAGCTATATAAATCGGATGTGGATCTGTAGCAAGCTCAAC
AACTATAACCTCCATTGCCAACTCCTCCTGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228593 representing NM_001289707
 Red=Cloning site Green=Tags(s)

MPDCLETGEKLFVHMNAQCVCQKPEEENGPLGTGGVQCCKIVQGKCFRIISTVSPVKLYCCYGVIMVLTV
 AVIALSVALSTKKTEQIIINKTYAACSKNWTGVGNKCFYFSGYPRNWTFAQAFCAQEAQLARFDNEEEL
 IFLKRFKGFDCWIGLHRESSEHPWKWTNNTEYNNMNPILGVGRYAYLSSDRISSSRSYINRMWICKLNL
 NYNLHCQTPPV

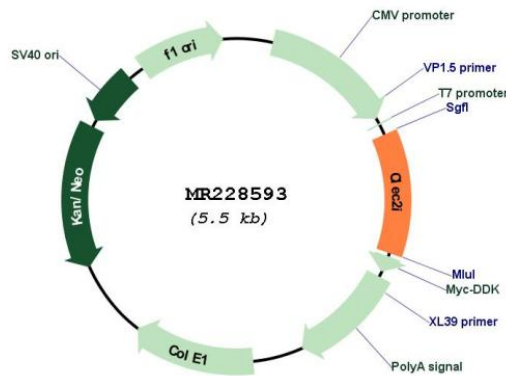
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001289707

ORF Size: 663 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_001289707.1 , NP_001276636.1
RefSeq Size:	2331 bp
RefSeq ORF:	666 bp
Locus ID:	93675
UniProt ID:	Q9WVF9
Cytogenetics:	6 F3
MW:	25.6 kDa
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]