

Product datasheet for MR221052

Clec5a (NM_021364) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Clec5a (NM_021364) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Clec5a
Synonyms: Clecsf5; Ly100; MDL-1; Mdl1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR221052 representing NM_021364
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGTGGCACATGATCATCTCGGGCTTATCGTAGTAGTGATCAAAGTTGTTGGAATGACCTTTTTTC
TGCTGATTTCTCACAGATCTTTGGGAGAAATGACGAAAGTACCATGCCTACAAGGAGCTATGGAACAGT
CTGTCCCAGAAACTGGGATTTTACCAAGGAAATGCTTTTTCTCTCCTTCTCCGAATCACCTTGAAA
GACAGCATGGATTATTGTGCAACACAAGGATCCACACTGGCAATTGTCAACTCCAGAGAACTGAAGT
ATCTTCAGGACATAGCTGGTATTGAGAATTACTTTATTGGTTTGGTACGTGAGCCTGGAGAGAAAAAGT
GCGCTGGATCAACAACCTGTGTTCAATGGCAATGTTACCAATCAGGACCAGAACTTCGACTGTGCTCACT
ATAGGTCTGACGAAGACATATGATGCTGCATCATGTGAAGTCAGCTATCGCTGGATCTGCGAAATGAATG
CCAAA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR221052 representing NM_021364
Red=Cloning site Green=Tags(s)

MNWHMIISGLIVVVIKVVGMTFFLLYFSQIFGRNDESTMPTRSYGTVCPRNWDFHQKCFSSFSSESPWK
DSMDYCATQGSTLAIVNTPEKLYLQDIAGIENYFIGLVRQPGEKKWRWINNSVFNQDQNFDCVT
IGLTKTYDAASCEVSYRWICEMNAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

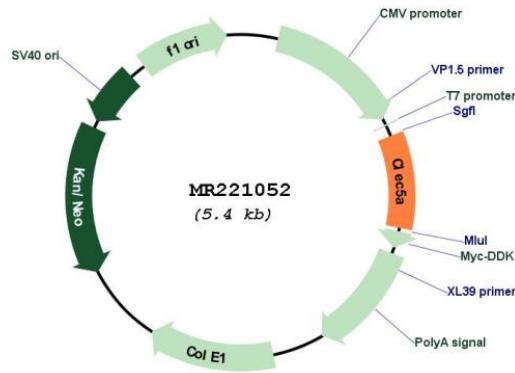
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_021364

ORF Size: 495 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_021364.2 , NP_067339.1
RefSeq Size:	3745 bp
RefSeq ORF:	498 bp
Locus ID:	23845
UniProt ID:	Q9R007
Cytogenetics:	6 B1
MW:	19.5 kDa
Gene Summary:	Functions as a positive regulator of osteoclastogenesis (PubMed:19251634). Cell surface receptor that signals via TYROBP (PubMed:10449773). Regulates inflammatory responses (PubMed:20212065).[UniProtKB/Swiss-Prot Function]