

Product datasheet for **MR229131**

Clec10a (NM_001204252) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Clec10a (NM_001204252) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Clec10a
Synonyms: CD301a; M-ASGP-BP-1; Mgl; Mgl1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229131 representing NM_001204252
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATATACGAAAACCTCCAGAACTCAAGGATCGAGGAGAAAACCAAGAGCCTGGTAAAGCAGCTCCTT
CCCAGTCCTTCTGTGGCGCATCTCTTGGACCCACCTCCTCCTGTTCTCCCTGGGCCTCAGCCTCCT
GCTGTTGGTGGTCTCCGTGATTGGATCCCAAATTCAGTTAAGGAGGGACCTAGGCACCCTGAGA
GCCACTTTAGACAACACCACCTCCAAGATAAAGGCTGAATTCAGTCCCTGGACTCCAGGCTGACAGCT
TCGAAAAAGGGATCAGTTCTCTGAAAGTGGATGTGGAGGATCACAGGCAGGAACTGCAGGCAGGCCGAGA
CTTGAGCCAGAAGGTGACTTCTCTGGAGAGCACAGTGGAGAAGAGGGAGCAGGCTCTCAAAACAGATCTG
TCTGATTTAACCGACCATGTGCAACAGCTGAGGAAGGACTTGAAGGCCCTGACGTGCCAGCTGGCCAACC
TCAAGAACAACGGCTCGGAAGTGGCCTGCTGCCCGCTTCACTGGACGGAGCATGAAGGCAGCTGCTATTG
GTTCTCTGAGTCTGAGAAGTCGTGGCCTGAAGCTGACAAGTACTGCCGGCTGGAGAATTCTCACCTGGTG
GTGGTCAACTCCCTGGAGGAGCAGAATTTCTACAGAATCGCTTAGCCAATGTGGTTAGTTGGATCGGCC
TAACGGACAAAACGGCCCTGGCGATGGGTGGATGGGACCGACTTTGAGAAAGGCTTTAAGAATGGCC
CCCACTGCAGCCAGATAACTGGTTCGGACACGGACTGGGAGGAGGTGAGGACTGTGCCACATCACTACA
GGTGGTCCCTGGAATGATGATGTCTGCCAGAGAACCTTCCGCTGGATCTGTGAGATGAAGCTGGCCAAGG
AGAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229131 representing NM_001204252
 Red=Cloning site Green=Tags(s)

MIYENLQNSRIIEKTQEPGKAAPSQSFLWRILSWTHLLLFSLGLSLLLLVVVSVIGSQNSQLRRDLGTLR
 ATL DNTTSKIKAEFQSLDSRADSFEKGISSLKVDVEDHRQELQAGRDL SQKVTSL ESTVEKREQALKTDL
 SDLTDHVQQLRKDLKALTCQLANLKNNGSEVACPLHWTEHEGSCYWFSESEKSWPEADKYCRLENSHLV
 VVNSLEEQNFLQNRLANVVSWIGLTDQNGPWRVWDGTD FEKGFKNWAPLQPDNWF GHGLGGGEDCAHITT
 GGPWNDDVCQRTFRWICEMKLAKES

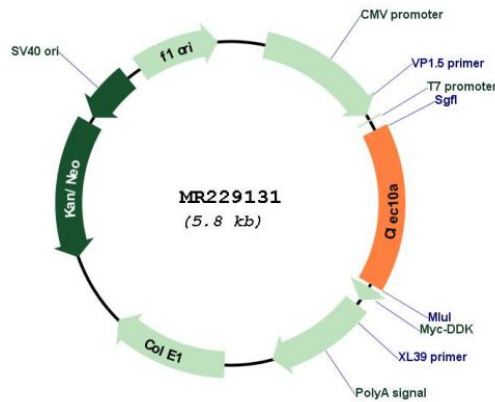
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001204252

ORF Size: 915 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_001204252.1 , NP_001191181.1
RefSeq Size:	1501 bp
RefSeq ORF:	918 bp
Locus ID:	17312
Cytogenetics:	11 42.99 cM
MW:	35.1 kDa
Gene Summary:	Recognizes terminal galactose and N-acetylgalactosamine units. May participate in the interaction between tumoricidal macrophages and tumor cells. Plays a role in the recruitment of inflammatory monocytes to adipose tissue in diet-induced obesity.[UniProtKB/Swiss-Prot Function]