

Product datasheet for MR204257

Clec10a (NM_010796) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clec10a (NM_010796) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clec10a
Synonyms:	CD301a; M-ASGP-BP-1; Mgl; Mgl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204257 representing NM_010796 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATATACGAAAACCTCCAGAACTCAAGGATCGAGGAGAAAACCAAGAGCCTGGTAAAGCTCCTTCCC
AGTCCTTCTGTGGCGCATCCTCTTTGGACCCACCTCCTCTGTTCCTGGGCTCAGCCTCCTGCT
GTTGGTGGTCGCTCCGTGATTGGATCCCAAAATCCAGTTAAGGAGGGACCTAGGCACCTGAGAGCC
ACTTTAGACAACACCACCTCCAAGATAAAGGCTGAATTCAGTCCCTGGACTCCAGGCTGACAGCTTCC
AAAAGGGATCAGTTCTCTGAAAGTGGATGTGGAGGATCACAGGCAGGAAGTGCAGGCAGGCCGAGACTT
GAGCCAGAAGGTGACTTCTCTGGAGAGCACAGTGGAGAAGAGGGAGCAGGCTCTCAAAACAGATCTGTCT
GATTTAACCGACCATGTGCAACAGCTGAGGAAGGACTTGAAGGCCCTGACGTGCCAGCTGGCCAACCTCA
AGAACAACGGCTCGGAAGTGGCCTGCTGCCCGCTTCACTGGACGGAGCATGAAGGCAGCTGCTATTGGTT
CTCTGAGTCTGAGAAGTCGTGGCCTGAAGCTGACAAGTACTGCCGGCTGGAGAATTCTCACCTGGTGGTG
GTCAACTCCCTGGAGGAGCAGAAATTTCTACAGAATCGCTTAGCCAATGTGGTTAGTTGGATCGGCCTAA
CGGACCAAAACGGGCCCTGGCGATGGGTGGATGGGACCGACTTTGAGAAAGGCTTTAAGAAGTGGCCCC
ACTGCAGCCAGATAACTGGTTCGGACACGGACTGGGAGGAGGTGAGGACTGTGCCACATCACTACAGGT
GGTCCCTGGAATGATGATGTCTGCCAGAGAACCTCCGCTGGATCTGTGAGATGAAGCTGGCCAAGGAGA
GC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204257 representing NM_010796
Red=Cloning site Green=Tags(s)

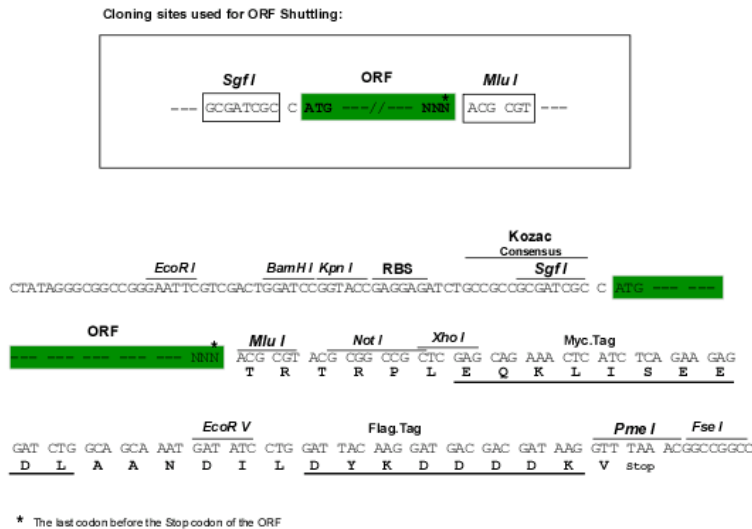
MIYENLQNSRIIEKTQEPGKAPSQSFLWRILSWTHLLL FSLGLSLLLLVVVSVIGSQNSQLRRDLGTLRA
 TLDNTTSKIKAEFQSLDSRADSFKEGISSLKVDVEDHRQELQAGRDL SQKVTSLSTVEKREQALKTDLS
 DLTDHVQQLRKDLKALTCQLANLKNNGSEVACCP LHWTEHEGSCYWFSESEKSWPEADKYCRLNSHLVV
 VNSLEEQNFLQNR LANVVS WIGLTDQNGPWRWVDGTD FEKGFKNWAPLQPDNWF GHGLGGGEDCAHITTG
 GPWNDDVCQRTFRWICEMKLAKES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9027_a03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010796

ORF Size: 912 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:

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_010796.3](#), [NP_034926.1](#)

RefSeq Size: 1498 bp

RefSeq ORF: 915 bp

Locus ID: 17312

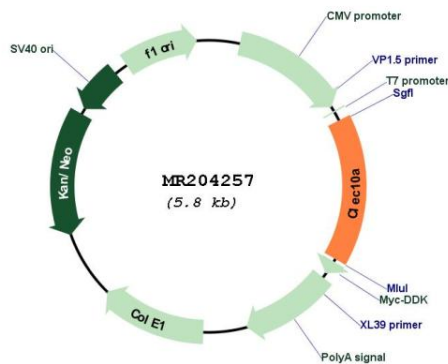
UniProt ID: [P49300](#)

Cytogenetics: 11 42.99 cM

MW: 35 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]

Product images:



Circular map for MR204257