

Product datasheet for MC226064

Clec9a (NM_001205365) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Clec9a (NM_001205365) Mouse Untagged Clone
Tag: Tag Free
Symbol: Clec9a
Synonyms: 9830005G06Rik; DNGR-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226064 representing NM_001205365
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCATGCGGAAGAAATATATACCTCTCTTCAGTGGGACATTCTACCTCAGAGGCCTCTCAGAAGTGCC
 AATCCCCTAGCAAATGTTTCAGGAGCATGGTGTGTGTGACGATGATTTCTGTGTGGTCTGTATGGCTT
 GTTAGCAACGTCCATTTCTTGGGCATCAAGTCTTCCAGGTATCCTCTTGTCTTGGAGCAGCAGGAA
 AGACTCATCCAACAGGACACAGCATTGGTGAACCTTACACAGTGGCAGAGGAAATACACACTGGAATACT
 GCCAAGCCTTACTGCAGAGATCTCTCCATTCAGGTTGCCAGCAGAAAGACAGCGATCAGCCGGCCAGATC
 TGTGGATACCTCAAAGATTCTACTCTCATCTCAGATAAGTGCGATAGCTGGAAATATTTTATCTGTGAGA
 AGAAGGCATTTGGATCCTGCATCTGAAAGATACTCAAGCTACCTGTTACACAAGTGTGGAAAGAG
 GCCAAAGAGCAAACACAGGAGGAGAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001205365
Insert Size: 519 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001205365.1</u> , <u>NP_001192294.1</u>
RefSeq Size:	2945 bp
RefSeq ORF:	519 bp
Locus ID:	232414
UniProt ID:	<u>Q8BRU4</u>
Cytogenetics:	6 F3
Gene Summary:	<p>Functions as an endocytic receptor on a small subset of myeloid cells specialized for the uptake and processing of material from dead cells. Recognizes filamentous form of actin in association with particular actin-binding domains of cytoskeletal proteins, including spectrin, exposed when cell membranes are damaged, and mediate the cross-presentation of dead-cell associated antigens in a Syk-dependent manner.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) lacks three consecutive exons in the coding region, which results in a frameshift, compared to variant 1. The encoded isoform (4) is shorter and has a distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>