

## Product datasheet for **RR204928**

### Clec9a (NM\_001109354) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Clec9a (NM\_001109354) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Clec9a  
**Synonyms:** RGD1562513  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR204928 representing NM\_001109354  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCATGAGGAAGAAATATACACCTCTCTTCAGTGGGACATTCCAACCTCAGAGGCCTCTCAGAAGTGC  
CATCCCTTAGCAAATGTCCAGGAACATGGTGTATTGTGACGGTGATTTCTGTGTGGTCTGTGTGGGCTT  
ACTAGCAGCATCCATTTCTTGGGCATCAAGTTCTCCAGGTGCCTCTTTGTAATGGAGCAGCGGGAA  
AGGCTCATCCGACAGGACACAGCATTGCTGAACCTCACAGAGTGGCAGAGGAACCATACTGCAGTTAA  
AAAGCTGCCAAGCCTCACTACAAAGATCTCTCCGTTTCAGGCAGTAACTGCAACCTTGTCCACCGAACTG  
GATTCAGAATGGAAAAGTTGTTACTATGCCTTTGACCGCTGGGAAACGTGGAACAACAGTAAGAAGAGT  
TGTTTAAAAGAGGGCGATAGTCTCCTTCAAATAGACAGCAAAGAAGAAATGGAGTTTATCAACCTCAGTA  
TATGGAAGCTCAAAGGAGGATATGAATACTGGGTGGGAGTGTTCAGATGGACCCAGTGGATCTTGGTT  
TTGGGAAGATGGCTCTTCTCCTCTCTGACTTGTGCAACAGACAGACAGCTATCAGCCAGCCAGATC  
TGTGGATACCTCAAAGACCATACTCATCTCGGATAACTGCAGTAACTGGAAATATTTTATCTGTGAGA  
AGAAGGCATTTGGATCCTGCATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR204928 representing NM\_001109354  
Red=Cloning site Green=Tags(s)

MHEEEIYTSLQWDIPTSEASQKCPSLSKCPGTWCIVTVISCVVCGLLAASIFLGIKFSQVSSLVMEQRE  
 RLIRQDTALLNLTEWQRNHTLQLKSCQASLQSLRSGSNCPNPPNWIQNGKSCYYAFDRWETWNSKKS  
 CLKEGDSSLQIDSKEEMEFINLSIWKLKGGYEYVWGVFQDGPSPGSWFWEDGSSPLDLLPTDRQLSASQI  
 CGYLKDHTLISDNCNWKYFICEKKAFGSCI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001109354

**ORF Size:** 723 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\\_001109354.1](#), [NP\\_001102824.1](#)

**RefSeq Size:** 3254 bp

**RefSeq ORF:** 726 bp

**Locus ID:** 502901

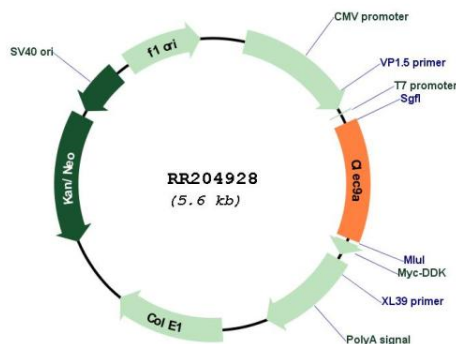
**UniProt ID:** [D4AD02](#)

**Cytogenetics:** 4q42

**MW:** 27.4 kDa

**Gene Summary:** 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 (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RR204928