

Product datasheet for **RR209590**

Clec1a (NM_001109253) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clec1a (NM_001109253) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clec1a
Synonyms:	RGD1566110
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR209590 representing NM_001109253 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGGCCAAATACAGCAGCACAAAGGGACATGCTCGATGACGATGACACCACCATAAGCCTGTATTCTG
 GAACATCCACTGTCACCAGACGAGCAGAGCCCAGGCACTCAGAGAATGGGACACCCTCTTCAGTTTGGCG
 CCCAGTGGCCCTGACCCTGCTGACCTTGTTGGTGTGCTCGTTGGCCTGGCAGCCCTGGGCCTTGTC
 TTTTTCAGTTCTACCAGCTCTCCAATACCCAGCAGGACAGCATCACTGAAAAGGATGAAAGGCTGGGA
 ACATGTCCCGACAACACAGTCCCTCCAGACCCAGAACAGAAAACCTCACTGAAACTCTGCAGCAGGTAGC
 CGTAAAACCTGTGTCGTGAACCTTTACAACAAAAGTGGAGGACATAGATGCAGTCCTTGCCAGAAAATGG
 AAGTGGCATGGGAACAAATGTTATCAGTTCTACAAAGAAAGTAAAACCTGGCAAAGCTGTGAATACTTCT
 GCCTGGCTGACAATGCCACCATGCTGAAGATAAGCACTCAGGAAGAGCTGGATTTTGCCATGCCCCAGAG
 CTACTCTGAGTTTTTCTACTCTTATTGGACAGGGCTCTCCCGCAATGGCAGTGGCAAAGCCTGGCTGTGG
 ACAGATGGGACACCTTACTCCTTTGAAGTGTGAGATTATAATAGATCCCACCAACCTAAGAAGCAGGG
 ACTGCATGACCATCTTCAATGAAAGGCTTACTCTAAGGACTGCAAAGAGCTGAGGAGGTGTGCCTGTGA
 GAGGGTGGCAGGAAGAGTGGTCCCCGAGGAGCTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RR209590 representing NM_001109253

Red=Cloning site Green=Tags(s)

MQAKYSSTRDMLDDDDTTISLYSGTSTVTRRAEPRHSENGTPSSVWRPVALTLLTLCLVLLVGLAALGLV
FFQFYQLSNTQQDSITEKDERLGNMSRQLQSLQTQNRKLTETLQQVAVKLCRELYNKSGGHRCSPCEKW
KWHGNKCYQFYKESKTWQSCFYCLADNATMLKISTQEELDFAMPQSYSEFFYSYWTGLSRNMSGKAWLW
TDGTPYSFELFEIIDIPTNLRSDCMITFNGKAYSKDCKELRRCACERVAGRVPPELO

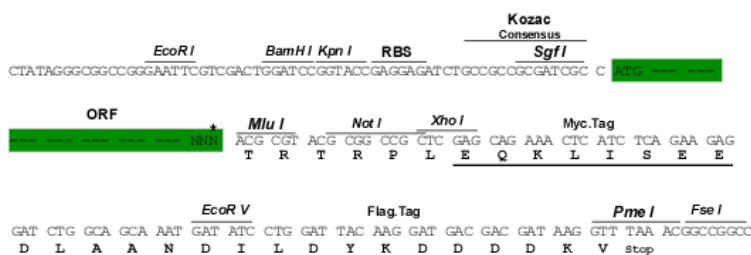
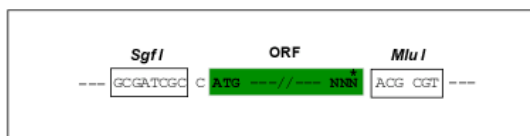
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001109253

ORF Size: 807 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_001109253.1](#), [NP_001102723.1](#)

RefSeq Size: 3299 bp

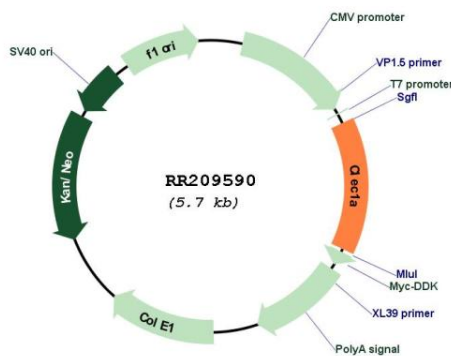
RefSeq ORF: 810 bp

Locus ID: 500337

Cytogenetics: 4q42

MW: 31 kDa

Product images:



Circular map for RR209590