

Product datasheet for **RR213090**

Pecam1 (NM_031591) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pecam1 (NM_031591) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pecam1
Synonyms:	CD31; Pecam
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RR213090 representing NM_031591
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTCCTGGCTCTGCTGCTCACCATGCTGCTCTATGCAAGCCTCCAGGCTCAGGAAAACCTTTTACCA
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CCTTGTGATATCAGCACCACTCGAAATCTAGGCCTCAGCACCAAGGTGCTATTCTATAAGGACGATGCG
CTGGTGTACAACGTCTCCTCCAGTGAGCACACAGAGAGCTTCGTATTCTCAGTCTCGGGTCTTCCACG
CCGGGAAGTACAAATGCACCGTGATACTGAACAGCAAGGAAAAACCACAATTGAGTACCAGCTGACGGT
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GAAGAGACGGTGTGTACAGTATCAGAATTCAGCAAGATTGCCGAGGAGAGGGACAGCGGGCTGTACA
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CCACTTCTGAACTCCAACAGTGAGAAGTTTCTGAGCCAGTGTGGAAACCAACGCCATTACGACTCCC
AGAACATGGATGTGGAGTACACAGAAGTGGAAAGTGTCTCCCTTGAGCCTACCAAGAGAACGGAAGGCT
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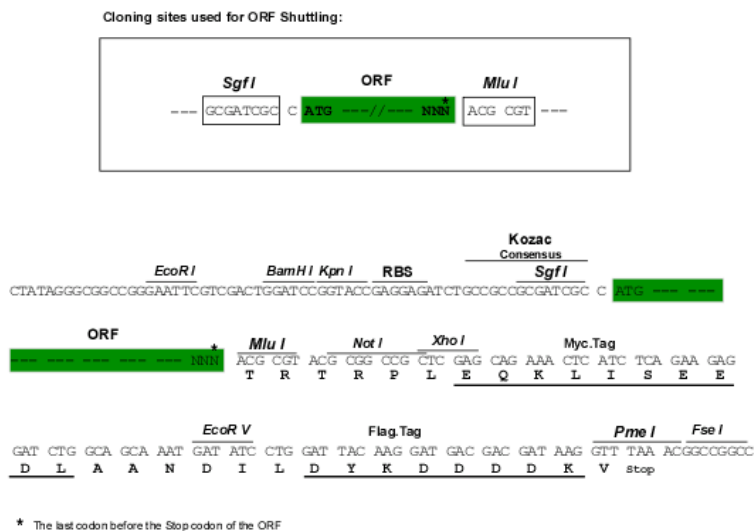
Protein Sequence: >RR213090 representing NM_031591
 Red=Cloning site Green=Tags(s)

MLLALLLTMLLYASLQAQENSFTINSIHMESRPSWEVSNQKQLTLQCLVDISTTSKSRPQHQLVLFYKDDA
 LVYNVSSSEHTESFVIPQSRVFHAGKYKCTVILNSKEKTTIEYQLTVNGVPMPEVTVDKKEVTEGGIVTV
 NCSMQEEKPIYFKIEKVELGTKNVKLSREKTSNMNFVLEFPIEEQDHLLVFRCAQVLSGIMQTSF
 IRSEYVTVQEFFSTPKFQIQPEMIIIEGNQLHIKCSVQVAHLAQEFPEIIIQDKAIVATSKQSKEAVYS
 VMALVEHSGHYTCKVESNRIKASSILVNITELFPRPKLELSSSRLDQGEMLDLSCSVSGAPVANFTIQK
 EETVLSQYQNFSKIAEERDSSL YSCTAGIGKVVKRSNLVPVQVCEMLSKPRIFHDAKFEIIGQIIGISC
 QSVNGTAPITYRLLRAKSNFQTVQKNSNDPVTFTDKPTRDMEYQCIVDNCHSHPEVRSEILRVKVIAPVD
 EVTISILSGNDVQSGDEMVLRCVKEGTGPVTFQFYKEKEGRPFHEETVNDTQVFWHHEQTSKEQEQQYY
 CTAFNRASIVTSLRSGPLTVRVFLAPWKKGLIAVVVIGVVIAALIVAKEYFLRKAKAKQKPVMSRPAV
 PLLNSNSEKVSPEVETNSHYDSQNMDVEYTEVEVSSLEPHQENGRLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_031591

ORF Size: 2034 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_031591.1](#), [NP_113779.1](#)

RefSeq Size: 3244 bp

RefSeq ORF: 2037 bp

Locus ID: 29583

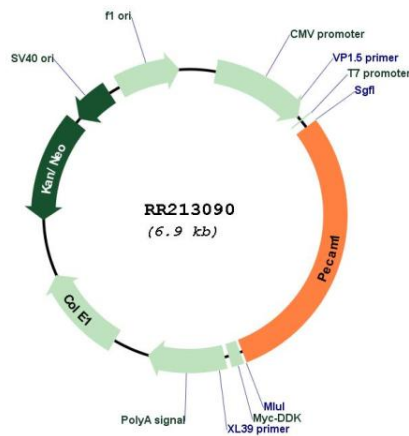
UniProt ID: [Q3SWT0](#)

Cytogenetics: 10q32.1

MW: 76.2 kDa

Gene Summary: cell adhesion molecule, also intracellular signaling molecule; may mediate leukocyte adhesion and migration, angiogenesis, and thrombosis [RGD, Feb 2006]

Product images:



Circular map for RR213090