

## Product datasheet for **RR204094**

### Clmp (NM\_173154) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Clmp (NM_173154) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clmp
Synonyms:	ACAM; Asam; OI16
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204094 representing NM_173154 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCCTCTTCTCCTCTGGCTAGTAACCTATTATGTTGGAACGCTGGAACTCACACTGAGATCAAGA  
GAGTGGCAGAGGAAAAGTTACCTTGCCCTGTCACCATCAATTGGGACTTCCTGAGAAAGACACCCTGGA  
CATTGAATGGCTGCTCACGGATAATGAAGGGAACCAAAAAGTGGTTATTACGTATTCCAGTCGTCATGTC  
TACAATAACTTGACTGAGGAGCAGAAGGGCCGAGTGGCCTTTGCCCTCAACTTCCGGCGGAGACGCCT  
CCCTGCAGATCGAGCCTCTGAAACCCAGTGATGAAGGCAGATACACCTGCAAGGTGAAGAATTCAGGACG  
CTATGTCTGGAGCCACGTGATCTTAAAAGTGCTAGTGAGACCATCCAAGCCCAAGTGTGAGTTGGAAGGA  
GAGCCGACGGAAGGAAGTGACCTGACGCTACAATGTGAGTCTGCCTCTGGAACCAAGCCATTGTGTATT  
ATTGGCAGCGGATTCGGGAGAAGGAGGGAGAGGATGAACACCTGCCACCCAAATCTAGAATCGATTACAA  
CAACCTGGCCGAGTGTCTGCTGCAGAACCTCACCATGGCCTCCTCTGGGCTCTACCAGTGCACAGCAGGC  
AACGAGGCTGGAAGGAGAGCTGCGTGGTACGAGTGACTGTACAGTATGTGCAGAGCATTGGCATGGTTG  
CAGGAGCAGTGACAGGCATAGTGGCGGGAGCTCTGCTCATTTTCTCTTGATATGGCTCCTAATACGAAG  
GAAAAGCAAAGAGAGATATGAGGAAGAAGACAGACCTAATGAAATCCGAGAAGACGCTGAAGCGCCCGC  
GCCCGCCTTGTAACCCAGCTCCTCTTCTCAGGCTCCCGAGCTCTCGCTCTGGCTCCTCCTCCACCC  
GCTCCACCGGGAACAGTGCCTCCAGAAGCCAGCGGACGCTGTGAGTGAAGCAGCACCACAGCCCGGCT  
AGCCACCCAGGCATACAGCCTAATAGGACCGGAAGTGAGAGGTTCTGAACCAAAGAAAGCCACCATACG  
ACCCTGACCAAAGCAGAAACCACACTCAGACAATGCCAGCCAGAGCAGAGCCTTCCAACTGTC

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RR204094 representing NM\_173154  
Red=Cloning site Green=Tags(s)

MSLFFLWLVTYYVGLGTHTEIKRVAEEKVTLPCHHQLGLPEKDTLDIEWLLTDNEGNQKVVITYSSRHV  
 YNNL TEEQKGRVAFASNFLAGDASLQIEPLKPSDEGRYTCKVKNSGRYVWSHVILKVLVRPSKPKCELEG  
 EPTEGSDLTLQCESASGTKPIVYYWQRIREKEGEDEHLPPKSRIDYNNPGRVLLQNLTMASGLYQCTAG  
 NEAGKESCVRVTQYVQSIGMVAGAVTGIVAGALLIFLLIWL IRRKSKERYEEEDRPNEIREDAEAPR  
 ARLVKPSSSSSGSRSSRSGSSSTRSTGNSASRSQRTLSSSEAAPQPLATQAYSLLIGPEVRGSEPKKAHHT  
 TLTKAETTLSTMPQSRAFTQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

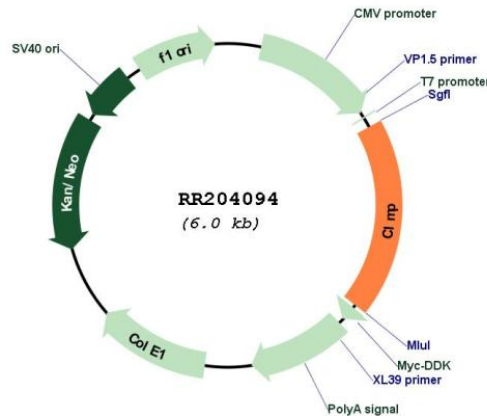
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_173154

<b>ORF Size:</b>	1116 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_173154.1</a> , <a href="#">NP_775177.1</a>
<b>RefSeq Size:</b>	3925 bp
<b>RefSeq ORF:</b>	1119 bp
<b>Locus ID:</b>	286939
<b>UniProt ID:</b>	<a href="#">Q8K1G0</a>
<b>Cytogenetics:</b>	8q22
<b>MW:</b>	41.1 kDa
<b>Gene Summary:</b>	human homolog plays a role in cell-cell adhesion [RGD, Feb 2006]