

## Product datasheet for **RR208848**

### Clmn (NM\_001106755) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Clmn (NM\_001106755) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Clmn  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR208848 representing NM\_001106755  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGGATCGCC

ATGGCTGCTCAGGAGTGGGACTGGTTCCAGCGCGAGGAGCTCATCGGGCAGATCAGCGACATCCGTGTGC  
 AGAACCTGCAAGTGGAGAGGGAAAAACGTGCAGAAGAGGACTTTCACACGATGGATAAACCTACACCTCGA  
 AAAGTGGCACCACCTCTAGAAGTTACGGACTGTTTGTGATATCCAAGATGGCAAATCCTAATGGCT  
 TTGTTAGAAGTTCTCTCTGGGCGAAATCTGCTACATGAATACAAATCCTCATCACATCGATTTTTTCGGT  
 TGAACAACATAGCGAAAGCACTCAAGTTTCTGGAAGATAGCAATGTCAAGCTGGTTAGCATCGACGCGGC  
 AGAGATAGCTGACGGCAACCCCTCGCTGGTTCTCGGGCTGATATGGAATATCATCTCTTCTTCCAGATA  
 AAGGAGCTCACAGGCAACCTCAGCAGGAGTTTCCATCTTCCAGCTTGTACCTGGCTCCGGGGCACCG  
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 GAAGGCCATCAAGACCCTGCTGTCATGGGTGCAGAGGAAAACCAGGAAGTATGGTGTGGCGGTCCAAGAC  
 TTCGCTGGCAGTTGGAGGAGTGGCTAGCTTTCCTGGCTGTCATCAAAGCTATTGACCCAGCCTCGTAG  
 ACATGAAGCAGGCTCTGGAAGATTCTACCCGGGAAAATCTAGAGAAGGCATTCCGCATTGCACATGATTC  
 CCTGCATATCCCCAGGCTCCTCGAGCCGGAAGACATCATGGTTGACATGCCGGATGAGCAGTCCATTGTG  
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 CCTTAGCCAGAATGGAGAGCAGCCCTACACTGTGAGCCATGAGACCAGCCACCCACCGCTGACAAGGTC  
 TTCGTCTGTGACCAGCTTGTAGAGCCCCACGGGCTTTAGTCTGGGTAGTGTCCCAGCCACAACTGCCAG  
 ACAGCCCCACAGACTTTATGCACCAGATTATTGACCAAGTCTTCCAGGCGAGCATGGGGAACACTGAATC  
 CACCACAGAGCCAACCTCAGAGTCATCCATCTTGTCAACCAGAAAGGATGGGAGGAGTCCAACCTTTTG  
 CCTGTCAAGAAAAGCGTCCAATTCGAGACTGACTTGCACAAGGATGCCTCGTGCAAGGACCCCTTCT  
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 GACAAGGCCCTGAAGATACTATTGTTGACACAGATGCTATGTCCAAGATGCTCAGCTTCCCCAGGACT  
 CCTCATTCTGTAATGGCAATGTAGAGAATCCAGCCAGTCTAGGTGAGAAAGGCCCTTCGCCACCATCCCC  
 TAGAGATAATACTATCCTGGCCAACTCCGTGGAGCTCAAGGTTCCGCTGCTGACCCTTGGAGCTATGGAC



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AAAGACGACTACTTTGAATGTATCCCGCTAAAAGCTTCCAAGTTAACAGGGACCTAGTAGATTTGCGCT  
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 AGTGCTAGAGGCCTATGCGGAAGGGGGCAGGATTTGAAAAGTGAAGATGCAGACCTAGAACATCCAGAT  
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 AGCCCCGCCAACGACTCTCTGACGCAGTTGTACAGCAGCCGACGTGATATTTTATTCTCTTCTCTCT  
 GGCTCTGGTTTACTGCTTACTACTCTTCCCCAGCTCGATGTCAGCCGGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR208848 representing NM\_001106755  
 Red=Cloning site Green=Tags(s)

MAAQEWDWFQREELIGQISDIRVQNLQVERENVQKRTFTRWINLHLEKCDPPELVDTLFDVIQDGKILMA  
 LLEVLSGRNLLHEYKSSSHRIFRLNNIKALKFLEDSNVKLVSIDAAEADGNPSLVLGLIWNIIILFFQI  
 KELTGNLRSPPSSSLSPGSGGTDSDSSYPPTTTERSVAVAVKQQRKAIKTLLSWVQRKTRKYGVAVQD  
 FAGSWRSLAFLAVIKAIIDPSLVDMKQALDSTRENLEKAFRIAHDSLHPRLLLEPIDIMVDMPEQSIV  
 TYVAQFLERFPELDPEDFVNPDKAIESTFVRIKESPEQESRVLLLQNGEQPYTVSHETSHPPPKV  
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 PVKKSVMFETDLHKDASCSDPFYSSEFRFEGSPKATKELSKQDGHASLAEVSKEKKPEQEARLVLEAAS  
 DKAPEDIVDTDAMSQDAQLPQDSSFCNGNENPASLGEKGPSPSPRDNTILANSVELKVPLLTVEPMD  
 KDDYFECIPLKASKFNRLVDFASTSQAFVEDPSSHKTTPGEEEGSENYTEKPGKRKSKSPAETESTES  
 RLEPIKLETPPKDPEQEDQGHLLPETAADKKPEVYKAKRKRSTRHHSEEEGEAEGGLSAVGGEMPSNPP  
 STSVSLETLRSHSEGLDFKPSPLSKISVIPHDLFYYPHYEVLAAVLEAYAEGGEDLKSEADLEHPD  
 GSYLQDSREEEEEDEEEEEAHSSHSCNFSLPVDNSYPRVNDHVSHVDGSSSEGPTSASEPGSPSHEDH  
 QPMETKENGVPVESQSQEPPTPELSTKPLEEKLTEVPTSSKKKEKRKHMHDHVESSLFIAPGTVRSDDLE  
 ENPCEHKVPSRNSHSDSSIYIRRHTNRSLELDHFSYVQLRNAADVDDRRNRLNRTGNTSSGEAVPLGSQ  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

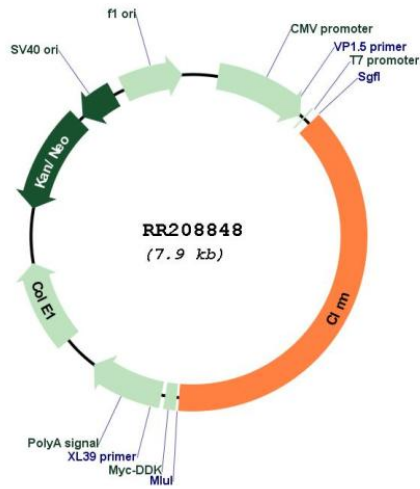
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001106755  
 ORF Size: 3063 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_001106755.2</a> , <a href="#">NP_001100225.2</a>
<b>RefSeq Size:</b>	4069 bp
<b>RefSeq ORF:</b>	3066 bp
<b>Locus ID:</b>	299285
<b>Cytogenetics:</b>	6q32
<b>MW:</b>	113.9 kDa