

## Product datasheet for **RC209749**

### CLMN (NM\_024734) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CLMN (NM_024734) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CLMN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC209749 representing NM\_024734  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTGCACACGAGTGGGACTGGTTCCAACGCGAGGAGCTCATCGGGCAGATTAGCGACATCCGAGTGC  
 AGAACCTGCAAGTTGAGAGGGAAAATGTGCAGAAGAGGACCTTTACACGATGGATAAATCTACATCTAGA  
 AAAGTGCAACCCACCTCTAGAAGTTAAAGATTTATTCGTCGATATACAAGATGGCAAAATCCTAATGGCT  
 TTGTTAGAAGTCTGTCTGGGCGGAATCTGCTGCACGAATACAAATCCTCGTCGATCGTATTTTTCGGT  
 TGAACAACATAGCGAAAGCACTTAAAGTTTTGGAAGATAGCAATGTAAAAGTGGTTAGCATTGATGCAGC  
 AGAAATAGCAGATGGCAACCTTCTTTGGTCTTGGGCTGATATGGAACATAATCCTCTTCTCCAGATT  
 AAGGAGCTCACAGGCAACCTCAGCAGAACTCTCCATCTCCAGCTTGCCCTGGCTCAGGGGACAG  
 ACTCAGACTCATCTTCCACCCACACCCACTGCAGAGAGGAGCGTGGCAATATCGGTGAAAGACCAGAG  
 GAAGGCTATCAAGGCCCTGTTGGCGTGGTGCAGAGGAAAACGAGAAAGTATGGCGTGGCGGTGCAGGAC  
 TTTGCGGGCAGTTGGAGGAGTGGCTGGCTTTCCTGGCGGTGATCAAGGCCATTGACCCAGCCTGGTGG  
 ACATGAAACAGGCCCTGGAAAATTCACACGAGAAAATCTAGAGAAGGCTTTTCAGCATCGCACAGGATGC  
 CCTGCACATCCCCAGGCTCCTGGAGCCAGAAGACATCATGGTTGACACACCAGACGAGCAGTCTATCATG  
 ACTTACGTGGCACAGTTTCTAGAAGCTTTCCGGAGTTGGAAGCCGAAGATATTTTCGATTAGATAAAG  
 AAGTTCATCGAATCCACTTTTGTTCGCATCAAAGAACTCCTTCTGAACAGGAGAGCAAAGTCTTCGT  
 TCTGACTGAAAATGGGGAGCGTACCTACACTGTTAACCATGAAACCAGCCACCCACCCTCCAAAGTC  
 TTTGTCTGTGACAAGCCGAGAGCATGAAGGAATCCCGCTGGATGGTGTTCAGCCATGCGCTGTCAG  
 ACAGCTCACCGAGTTCATGCACAGATTATTGACCAGTCTGCAAGGGGGCCAGGTAAGACCAGCA  
 CATCAGTGAGCCATCTCCAGAATCCTCCATTTTATCATCCAGAAAAGGAGAACGGGAGGTCCAACCTTTG  
 CCGATCAAGAAAACAGTTCACTTTGAGGCTGACACCTACAAGGATCCTTTCTGCAGTAAGAACCTGTCCC  
 TTTGCTTTGAAGGGAGCCCAAGAGTGGCAAAGGAATCATTGAGGCAGGATGGACATGTCTTGGCAGTTGA  
 GGTTGCTGAGGAAAAGGAACAGAAACAGGAATCCTCGAAGATTCCAGAATCCTCCTGACAAGGTCGCT  
 GGTGACATTTTTTTGGTGGAGGGCACAACAATAATTCTCAGTCTTCTCCTGTAATGGTCTTTAGAGA  
 GTACAGCCCGCCACGATGAAGAAAGTCACTCTCTTCCACCCAGGAGAAAATACTGTGATGGCCGATTC  
 CTTCCAGATCAAGTTAACCTGATGACTGTAGAAGCTTTAGAGGAGGGAGACTATTTTGAAGCCATCCCA  
 TTTAAAGCCTCAAATTTAACAGCGACCTAATAGATTTTGCTTCTACCAGCCAGGCTTTCAACAAAGTTC  
 CTTACCTCATGAGACAAAACCTGACGAGGATGCTGAGGCTTTTGAGAATCATGCTGAAAAACTAGGTAA  
 AAGGAGTATTAATCTGCTCACAAAAGAGGATTCGCCAGAGCCTCAAGTTAAGATGGACAAAACATGAA  
 CCTCATCAGGACTCCGGAGAAGAAGCTGAAGGCTGTCTTCAGCCCCAGAAGAGACACCAGTGGATAAAA  
 AGCCAGAGGTGCATGAAAAGGCCAAGAGAAAGTCCACCCGTCCTCATTATGAGGAAGAGGGAGAAGACGA  
 TGACCTCCAGGGTGTGGGCGAGGAATTATCTCCAGCCCCCAAGCAGCTGTGTCAGCTTGGAGACCCTT  
 GGGAGTCACAGCGAAGAAGGCCCTGGATTCAAGCCCTCCCCACCCTCTCAAAGGTTTCCGTCATTTCCC  
 ACGACCTCTTCTATTTCCACACTATGAGGTTCCCTGGCTGCAGTTTTGGAGGCTTATGTAGAAGACCC  
 GGAGGATCTAAAAATGAAGAAATGGATCTCGAAGAGCCAGAGGGCTATATGCCAGACCTGGACTCCAGG  
 GAGGAGGAGGCCGATGGCTCTCAGAGCAGCTCCAGTTCCCTCGGTGCCAGGAGAGAGCCTCCCCAGTGCCA  
 GCGACCAGGTGCTGTATCTCAGCAGGGTGGTGTGGTACCACACCAGCCTCAGAACCCGCTCCTACTGGC  
 CCCCCATGAGGACCACCAGCAAAGGGAGACCAAAGAGAATGACCCCATGGACAGCCATCAGTCCCAGGAA  
 TCCCCAACCTGGAAAACATAGCAAACCCCTAGAAGAAAATGTAAAGAAAGTCAATCAGTAGTAAAA  
 AAAAGGAAAAAAGGAAACATGTGGACCAGTAGAAAGTCACTATTTGTAGCACCAGGAAGTGTCAATC  
 CTCAGATGACCTAGAAGAAGACAGTAGCGACTACAGCATTCCTCCAGGACTAGTCACAGTACTCCAGC  
 ATTTACCTTCGACGACATACTCATAGGTTCTCGGAATCGGATCATTTTAGCTATGTTGAGTGGAGAACG  
 CAGCAGATCTGGATGACAGAAGAAACCGAATTAACCAGGAAGGCCAACAGCTCAGGAGAAGCCATGTC  
 ACTGGGGAGCCACAGCCGAGAGTACTCCCTGACACAGCTTGCCAGCAGCCGATATGATGATTTT  
 ATTCTCTTCTGTGGCTCCTGGTACTGCTTGTCTCTTCCCAACTGGATGTTAGCAGGCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC209749 representing NM\_024734  
 Red=Cloning site Green=Tags(s)

MAAHEWDFQREELIGQISDIRVQNLQVERENVQKRTFFTRWINLHLEKCNPPLEVKDLFVDIQDGKILMA  
 LLEVL SGRNLLHEYKSSSHRIFRLNNI AKALKFLEDSNVKLVSIDAAE IADGNPSLV LGL IWNII LFFQI  
 KELTGNL SRNSPSSSLSPGSGGTDSDSSFPPTAERSVAISVKDQRKAIKALLAWVQRKTRKYGVAVQD  
 FAGSWRSLAFLAVIKAIIDPSLVDMKQALENSTRENLEKAFSIAQDALHIPRLLEPEDIMVDTPEQSIM  
 TYVAQFLERFPELEAEDIFDSDKEVPIESTFVRIKETPSEQESKVFVLTENGERTYTVNHETSHPPPSKV  
 FVCDKPESMKEFRLDGVSSHALSDSSTEFMHQIIDQVLQGGPGKTSDI SEPSPESSILSSRKENGRNSL  
 PIKKT VHF EADTYKDPFCSKNLSL CFEGSPRVAKE SLRQDGHVLA VEVAEEKEQKQESSKIPESSSDKVA  
 GDIFLVEGTNNNSQSSSCNGALESTARHDEESHLSPPGENTVMADSFQIKVNLMTVEALEEGDYFEAIP  
 LKASKFNSDLIDFASTSQAFNKVPSPHETKPEDAEAFENHAEKLGKRSIKSAHKKKDSPEPQVKMDKHE  
 PHQDSGEEAEGCPSAPEETPVDKKPEVHEKAKRKSTRPHYEEEGEDDLQGVGEELSSSPPSSCVSLET  
 GSHSEGLDFKPSPLSKVSVIPHDLFYFPHYEVPLAAVLEAYVEDPEDLKNEEMDLEEPEGYPDLDSR  
 EEEADGSQSSSSVPGESLPSASDQVLYL SRGGVGTTPASEPAPLAPHEDHQRET KENDPMDSHQSQE  
 SPNLENIANPLEENVTKESI SSKKKEKRKHVDHVESSLFVAPGSVQSSDDLEEDSSDYSIPRTSHSDSS  
 IYLRRHTRHRSSEDFSYVQLRNAADLDRRNRILTRKANSSGEAMSLGSHSPQSDSLTQLVQQPDMMYF  
 ILFLWLLVYCLLLFPQLDVSRL

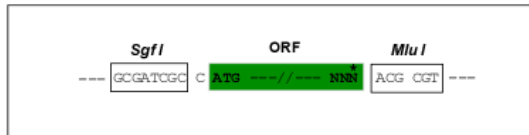
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk8101\\_a10.zip](https://cdn.origene.com/chromatograms/mk8101_a10.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



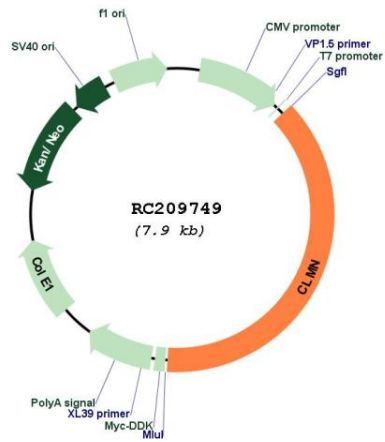
\* The last codon before the Stop codon of the ORF

ACCN: NM\_024734

ORF Size: 3006 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_024734.4</a>
<b>RefSeq Size:</b>	12750 bp
<b>RefSeq ORF:</b>	3009 bp
<b>Locus ID:</b>	79789
<b>UniProt ID:</b>	<a href="#">Q96JQ2</a>
<b>Cytogenetics:</b>	14q32.13
<b>Domains:</b>	CH
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	111.7 kDa

Product images:



Circular map for RC209749