

## Product datasheet for MR219220

### Clmn (NM\_053155) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Clmn (NM_053155) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clmn
Synonyms:	9330188N17Rik; AI428889; AI788815; mKIAA1188
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219220 representing NM_053155 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGCTCAGGAGTGGGACTGGTTCCAGCGCAGGAGCTCATCGGGCAGATCAGCGACATCCGTGTGC  
AAAACCTGCAAGTGGAGAGGGAAAACGTGCAGAAGAGGACTTTCACACGATGGATAAACCTACACCTCGA  
AAAGTGTGACCCACCTCTAGAAGTTACGGACCTGTTTGTGATATTCAAGATGGCAAAATCCTAATGGCT  
CTGTTAGAAGTCCTCTGGGCGAAATCTGCTGCATGAATACAAATCCTCATCACATCGTATTTTTCGGT  
TGAACAACATAGCGAAAGCACTCAAGTTTCTGGAAGATAGCAATGTCAAGCTGGTTAGCATCGATGCAGC  
GGAATAGCGGACGGCAACCCCTCGCTGGTTCTCGGGCTGATATGGAACATCATTCTCTTCCAGATA  
AAGGAGCTCACGGCAACCTCAGCAGGAGTTCTCCATCTTCCAGCTTGTCAACCGGCTCTGGGGCACCG  
ACTCCGACTCTTCTACCCACCCACCCACCAGAGAGGAGTGTGGCAGTGGCAGTGAAAGACCAGAG  
GAAGGCCATCAAGACCCTGCTGTGATGGGTGCAGAGGAAAACCAGGAAGTATGGTGTGGCAGTCCAAGAC  
TTTGCAGGCAGCTGGAGGAGTGGCTGGCTTCTGGCTGTGATCAAAGCTATTGACCCAGCCTTGTAG  
ACATGAAGCAGGCTCTGGAAGATTCCACCCGGGACAATCTGAAAAGGCCTTCAAGATTGCCCATGATTC  
CCTGCATATCCCAGGCTCCTGGAGCCGGAAGACATCATGGTTGACATGCCAGATGAGCAGTCCATTGTG  
ACATACGTGGCCAGTTTCTAGAGCGCTTCCAGAGTTGGACCTGAAGATTTTGTGAATCCGGACAAAG  
AAGCCCCATCGAGTCCACCTTGTCCGATCAAAGAAAAGCCCTCTGAGCAGGGGAGCAGAGTCCCTCCT  
CCTCAGCGAGAACGGAGAGCGGGCTACTGTCAACCAGGAAAACCAGCTACCCGCCCTGACAAGGTC  
TTCGTCTGTGACCAGCTTGTGAGTCCGACTGGCTTCTGTCTGGATAGTGCTCCAGCCACAACTGTGAG  
ACAGCTCCACAGAGTTTATGCATGAGATTATTGACCAAGTCTCCAGGGGAGCACGGGGAAGACTGGCTC  
CATCGCAGAGCCAACTCCAGAGTCGTCATTTTGTCAACCAGAAAAGGACGGCAGGAGGTCCAACCTTTG  
CCTGTCAAGAAAACCGTCCACTTCGAGGCAGACTTGCACAAGGATGCCTCGTGTAGTAAGGACCCCTTCT  
ATAGCTCTGACTCCGCTTCGAGGGGAGCCCCAAGGCAACCAAGGAGCTGTCAAAGCAGGACGGCCATGT  
CTCACTGGCTGAGGTGTCCAAGGAAAAGAAGTCAAGAACAGGAAGCCAGGCTAGTGTGGAAGCTGCC



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TCAGACAAGGTCCTCCGAAAGCACGGTCGATGGTCTGGATGCTGTGCCCAAGATGCTCAGCCTTCCAGG  
 ACTCCTCTTCTGTAACGGCACTGTAGAGAGCCCATCCAGCCAAGGTGAGAAAGGCCCTCCTCCATCATC  
 CCCTGGAGATCATACTCTCTGGCACTCCACTGAGCTCAAGGTTACAGTTGCTGACCGTTGAGCCTATG  
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 GGCCGCTGTGCTGGAGGCTTACGCGGAAGGCGGGAGGATTTGAAAAGTGAAGACACAGACCTAGAGCAT  
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 GAAAATCCAGCGAACACAAGGTCCTTCCAGGAATAGTCACAGTGACTCCAGCATTTACATTGGCGAC  
 ACATAATAGGCTTTTGAATGGACATTTTAGCTATGTTCAATTGAGGAACGCAGCTGATCTGGATGA  
 CAGGAGAAACAGAGTGTTAAACAGGTACAATTCTCAGAAGCTCACTGAGCTGATTTTACAGTTCTACGGC  
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 AAGCTGTGCCCTGGGGAACAGAGCCCGCCCAACGACTCTCTGACGCAGTTTGTACAGCAGCCCGACGT  
 GATATATTTTCTCTCTCTCTGGCTCCTCGTTACTGCTTACTGCTCTTCCCACAGCTTGATGTCAGC  
 CGGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR219220 representing NM\_053155  
 Red=Cloning site Green=Tags(s)

MAAQEWDWFQREELIGQISDIRVQNLQVERENVQKRTFTRWINLHLEKCDPPELVTDLFVDIQDGKILMA  
 LLEVL SGRNLLHEYKSSSHRIFRLNNI AKAL KFLEDSNVKLVSIDAAEIADGNPSLVLGLIWNII LFFQI  
 KELTGNLSRSPSSSLSPGSGGTDSDSSYPPTPTTTERSVA VAVK DQRKA IKTLLSWVQRKTRKYGVAVQD  
 FAGSWRSLAFLAVIKAIDPSLVDMKQALEDSTRDNLEKAFSIAHDSLHPRLLPEPEDI MVDMPDEQSIV  
 TYVAQFLERFPELEPEDFVNPDKAPIESTFVRIKESPSEQSRVLLLSENGERAYTVNQETSYP PPKV  
 FVCDQLESPTGFCLDSAPSHKLSDSSTEFMHEIIDQVLQGSTGKTGSI AEPTPESSILSTRKDGRRSNSL  
 PVKKT VHF EADLHKDASCSDPFYSSDFRFE GSPKATKELSKQDGHVSLAEVSKEKKKSEQEARLVLEAA  
 SDKVPESTVDGLDAVPQDAQPSQDSSF CNGTVE SPSSQGEKPPPSSPGDHTLLANSTELKVQLL TVEPM  
 DKEDYFECIPLKASKFN RDLVDFASTSQAFGEDPSSHEKTRGEEEGSENHAEKPGKRKSKSPRAETEAEE  
 SRLEPKKLEPPPDPEDQGHALPPETPADKKPKVY EKAKR KSTRHHSEEEGEAESGFSAVCEEEIPSA  
 PPSTSVSLETLRSHSEGLDFKPSPLSKISVIPHDLFYYPHYEVPLAAVLEAYAEGGEDLKSEDTLEH  
 PEDSYLQDSREEEADEDEEEAQSSQSSCSFSLPVDNSYPSVSEHVSHVDGSGSEGPTALPGSPPSHEDH  
 QPKETKENGVPVESQSQEPNPPELPTKPLEEKLEASTSSKKKEKRKHMDHVESLSFIAPGTVRSDDL E  
 ENSSEHKVPSRNSHSDSSIIYIRRH TNRSLELDHFSYVQLRNAADLDRRNRVLRNRYNSQKLT EILQFYG  
 IRADMKREYKHARLSMTGTNSSGEAVPLGNQSPPNDSL TQFVQQPDVIYF ILFLWLLVYCLLLFPQLDVS  
 RL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9029\\_b02.zip](https://cdn.origene.com/chromatograms/mm9029_b02.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_053155

**ORF Size:** 3156 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\\_053155.2](#), [NP\\_444385.2](#)

**RefSeq Size:** 11962 bp

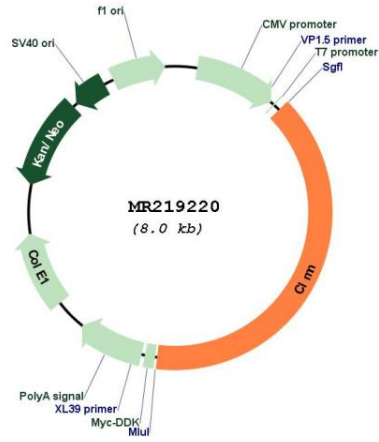
**RefSeq ORF:** 3159 bp

**Locus ID:** 94040

**UniProt ID:** [Q8C5W0](#)

Cytogenetics: 12 E  
 MW: 117.7 kDa

**Product images:**



Circular map for MR219220