

## Product datasheet for MR216934

### Clmn (NM\_001040682) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Clmn (NM_001040682) 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:	>MR216934 representing NM_001040682 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGCTCAGGAGTGGGACTGGTTCACGCGCAGGAGCTCATCGGGCAGATCAGCGACATCCGTGTGC  
AAAACCTGCAAGTGGAGAGGGAAAACGTGCAGAAGAGGACTTTCACACGATGGATAAACCTACACCTCGA  
AAAGTGTGACCCACCTCTAGAAGTTACGGACCTGTTTGTGATATTCAAGATGGCAAATCCTAATGGCT  
CTGTTAGAAGTCCTCTGGGCGAAATCTGCTGCATGAATACAAATCCTCATCACATCGTATTTTTCGGT  
TGAACAACATAGCGAAAGCACTCAAGTTTCTGGAAGATAGCAATGTCAAGCTGGTTAGCATCGATGCAGC  
GGAATAGCGGACGGCAACCCCTCGCTGGTTCTCGGGCTGATATGGAACATCATTCTCTTCCAGATA  
AAGGAGCTCACGGCAACCTCAGCAGGAGTTCTCCATCTTCCAGCTTGTCAACCGGCTCTGGGGCACCG  
ACTCCGACTCTTCTACCCACCCACCCACCAGAGAGGAGTGTGGCAGTGGCAGTGAAAGACCAGAG  
GAAGGCCATCAAGACCCTGCTGTGATGGGTGCAGAGGAAAACCAGGAAGTATGGTGTGGCAGTCCAAGAC  
TTTGCAGGCAGCTGGAGGAGTGGCTGGCTTCTGGCTGTCAAAAGCTATTGACCCAGCCTTGTAG  
ACATGAAGCAGGCTCTGGAAGATTCCACCCGGGACAATCTGAAAAGGCCTTCAAGATTGCCATGATTC  
CCTGCATATCCCAGGCTCCTGGAGCCGGAAGACATCATGGTTGACATGCCAGATGAGCAGTCCATTGTG  
ACATACGTGGCCAGTTTCTAGAGCGCTTCCAGAGTTGGACCTGAAGATTTTGTGAATCCGGACAAAG  
AAGCCCCATCGAGTCCACCTTGTCCGATCAAAGAAAGCCCTCTGAGCAGGGGAGCAGAGTCCCTCCT  
CCTCAGCGAGAACGGAGAGCGGGCTACTGTCAACCAGGAAACCAGCTACCCGCCCTGACAAGGTC  
TTCGTCTGTGACCAGCTTGTGAGAGTCCGACTGGCTTCTGTCTGGATAGTGCTCCAGCCACAACTGTGAG  
ACAGCTCCACAGAGTTTATGCATGAGATTATTGACCAAGTCTCCAGGGGAGCACGGGAAGACTGGCTC  
CATCGCAGAGCCAACTCCAGAGTCGTCATTTTGTCAACCAGAAAGGACGGCAGGAGGTCCAACCTTTG  
CCTGTCAAGAAAACCGTCCACTTCGAGGCAGACTTGCACAAGGATGCCTCGTGTAGTAAGGACCCCTTCT  
ATAGCTGACTTCCGCTTCGAGGGGAGCCCCAAGGCAACCAAGGAGCTGTCAAAGCAGGACGGCCATGT  
CTCACTGGCTGAGGTGTCCAAGGAAAAGAAGTCAAGAACGGAAGCCAGGCTAGTGTGGAAGCTGCC



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TCAGACAAGGTCCTCCGAAAGCACGGTCGATGGTCTGGATGCTGTGCCCAAGATGCTCAGCCTTCCAGG  
 ACTCCTCTTCTGTAACGGCACTGTAGAGAGCCCATCCAGCCAAGGTGAGAAAGGCCCTCTCCATCATC  
 CCCTGGAGATCATACTCTCTGGCACTCCACTGAGCTCAAGGTTACAGTGTGACCGTTGAGCCTATG  
 GACAAGGAAGACTACTTTGAATGCATCCCACTAAAAGTTCAAAGTTTAAACAGGGACCTAGTGGATTTCCG  
 CCTCCACCAGCCAGGCTTTTGGTGGATTCCTTCGTCCCACGAGAAGACCCGTGGGGAGGAAGAGGGTTC  
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 TCCAGATTGGAGCCCAAGAAGCTCGAGCCTCTCCCAAGGATCCCGAACAAGAAGACCAAGGCCACGCTT  
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 TCACAGCGAGGAAGAAGGAGAAGCAGAAAAGTGGCTTCTCTGCAGTCTGTGAAAGAAGAAATACCATCCGCC  
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 GGCCGCTGTGCTGGAGGCTTACGCGGAAGGCGGGGAGGATTTGAAAAGTGAAGACACAGACCTAGAGCAT  
 CCAGAGGACAGCTATCTGCAGGACTCCAGGGAGGAGGAGCCGACGAGGACGAGGAGGAGGCCAGAGCT  
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 GAAAATCCAGCGAACACAAGGTCCTTCCAGGAATAGTCACAGTGACTCCAGCATTTACATTGGCGAC  
 ACATAATAGGTCTTTGGAATTGGACATTTTAGCTATGTTCAATTGAGGAACGCAGCTGATCTGGATGA  
 CAGGAGAAACAGAGTGTTAAACAGGACTGGCACAACCTCTGGAGAAGCTGTGCCCTGGGGAACCG  
 AGCCCGCCCAACGACTCTCTGACGCAGTTGTACAGCAGCCGACGTGATATATTTATTCTCTTCTCT  
 GGCTCTCGTTTACTGCTTACTGCTCTTCCACAGCTTGATGTGACCCGGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR216934 representing NM\_001040682  
 Red=Cloning site Green=Tags(s)

MAAQEWDWFQREELIGQISDIRVQNLQVERENVQKRTFTRWINLHLEKCDPPLEVTDLFVDIQDGKILMA  
 LLEVLSGRNLLHEYKSSSHRIFRLNNIKALKFLEDSNVKLVSIDAAEADGNPSLVGLIWNIIILFFQI  
 KELTGNLRSRSPSSSLSPGSGGTDSDSSYPPTPTTTERSVAVAVKDQRKAIKTLLSWVQRKTRKYGVAVQD  
 FAGSWRSLAFLAVIKAIIDPSLVDMKQALESTRDNLEKAFSIAHDSLHPRLLPEPIMVDMPEQSI  
 TYVAQFLERFPELEPEDFVNPDKAPIESTFVRIKESPEQGSRVLLLSENGERAYTVNQETSYPPDPKV  
 FVCDQLESPTGFCLDSAPSHKLSDSSTEFMHEIIDQVLQGSTGKTGSIAEPTPESSILSTRKDGRRNSL  
 PVKKTVHFEADLHKDASCSDPFYSSDFRFEKSPKATKELSKQDGHVSLAEVSKEKKKSEQEARLVLEAA  
 SDKVPESTVDGLDAVPQDAQPSQDSSFCNGTVESSSQGEKGGPPSSPGDHTLLANSTELKVQLLTVPEM  
 DKEDYFECIPLKASKFNRDLVDFASTSQAFGEDPSSHEKTRGEEEGSENHAEKPKRKS SPRAETEAAE  
 SRLEPKKLEPPPDPEDQEDQGHALPPETPADKKPKVYKAKRKRSTRHHSEEEGEAESGFSAVCEEEIPSA  
 PPSTSVSLETLRSHSEGLDFKPSPLSKISVIPHDLFYYPHYEVPLAAVLEAYAEAGGEDLKSIEDTLEH  
 PEDSYLQDSREEEADEDEEEAQSQSSCSFSLPVDNSYPSVSEHVSHVDSSEGPTALGPGSPSHEDH  
 QPKETKENGVPVESQSQEPNPPELPTKPLEEKLTEASTSSKKKEKRKMDHVESLFIAPGTVRSDDL  
 ENSSEHKVPSRNSHSDSSIIYIRRHTNRSLELDHFSYVQLRNAADLDRRNRVLRNRTGTNSSGEAVPLGNQ  
 SPPNDSL TQFVQQPDVIFYILFLWLLVYCLLLFPQLDVSRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9002\\_e03.zip](https://cdn.origene.com/chromatograms/mm9002_e03.zip)

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001040682

ORF Size: 3063 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\\_001040682.1](#), [NP\\_001035772.1](#)

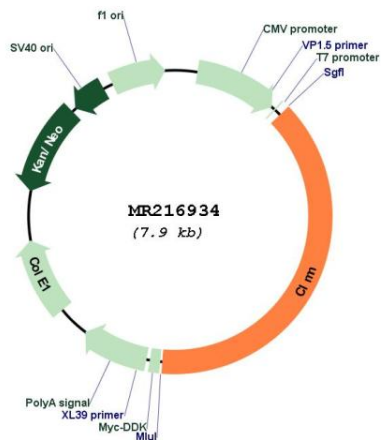
RefSeq Size: 11869 bp

RefSeq ORF: 3066 bp

Locus ID: 94040

UniProt ID: Q8C5W0  
 Cytogenetics: 12 E  
 MW: 113.9 kDa

**Product images:**



Circular map for MR216934