

## Product datasheet for **RR210167**

### Cnmd (NM\_030854) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cnmd (NM\_030854) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Cnmd  
**Synonyms:** Chm-1; Lect1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR210167 representing NM\_030854  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**C

ATGACAGAGA**ACTCGGACAAAGTTCTATCACCATGGTAGGACCTGAAGACGTTGAGTTTTGCAGTCCCC**  
CGGCATATGCCACTGTGACCGTGAAGCCCTCCGGGAGCCCTACACGGCTGCTCAAGGTGGGAGCTGTGGT  
TCTCATTCTGGCGCGGTGCTGCTGCTCTCGGGGCCATTGGGGCCTTCTACTTCTGGAAGGGAAATGAC  
AATCACATTTACAACGTCCATTACACCATGAGTATCAATGGGAGACTACAAGACGCGTCCATGGAGATAG  
ATGCTGCCAACAACTTGGAGACCTTTAAATGGGAAGCGGAGCGGAGGAAGCGATTGAAGTTAATGATTT  
CCAAAAATGGCATCACTGGGATCCGTTTTGCTGGAGGAGAGAAGTCTACATCAAAGCACAGGTGAAGGCT  
CGCATCCCTGAGGTGAGCACTGGGACCAAGCAGAGCATCTCTGAACTGGAAGGCAAGATCATGCCAGTCA  
AATATGAAGAGAATTCTCTGATTTGGGTGGCGTGGACCAGCCTGTAAGGACAACAGCTTCTGAGTTC  
TAAATCCTCGAATTCTGTGGCGACCTGCCTATTTCTGGCTTAAGCCCATGTATCCGAAAGAAATCCCA  
AGAGAGAGAAGAGAAGTAGTGAGAAGCAGTGTCCCTTACCACAAGGAGACCACACAGCGAACCTCGAG  
GCAACGCAGGCCCTGGAAGACTGAGTAACAGAACCAGACCCAGCGTTCCAGGATGACGAAGAACCTTTCAA  
CCCTGACAATCCTTACCACCAGCAGGAAGGAGAGAGCATGACCTTTGACCCTAGACTGGATCACGAAGGA  
ATCTGCTGTATAGAGTGACAGCGGAGCTACACCCACTGCCAGAAGATCTGCGAACCGCTGGGAGGTTACT  
ACCCGTGGCCTTATAATTACCAAGGGTGTCTGCTCAGCCTGCAGAGTGGTCATGCCGTGCAGCTGGTGGT  
TGCCCGCATCTTGGGCATGGTG

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR210167 representing NM\_030854

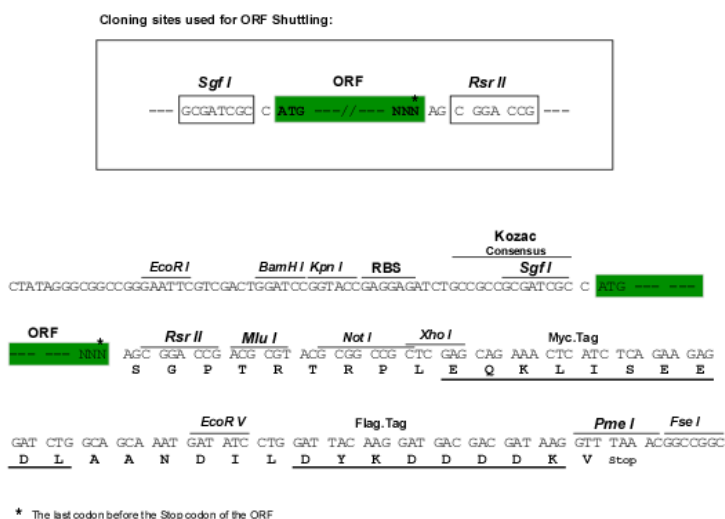
Red=Cloning site Green=Tags(s)

MTENSDKVPITMVGPEDEVFCSPPAYATVTVKPSGSPTRLKVGAVVLI SGAVLLLFGAIGAFYFWKGN  
 NHIYNVHYTMSINGRLQDASMEIDAANNLETFKMGSGAEEAIEVND FQNGITGIRFAGGEKCYIKAQVKA  
 RIPEVSTGKQSI SELE GKIMPVKYEENSLIWVAVDQPVKDNSFLSSKILEFCGDLPIFWLKPMPYK  
 RERREVVRSAPSTTRRPHSEPRGNAGPGRLSNRTRPSVQDDEEFPNDPNYPHQQEGESMTFD  
 PRLDHEG ICCIECRRSYTHCQKICEPLGGYYPWPYNYQGCRCRACRVVMPSCSWVVARILGMV

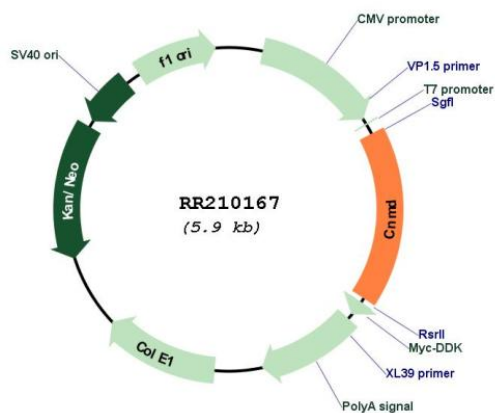
SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_030854

**ORF Size:** 1002 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_030854.1</a> , <a href="#">NP_110481.1</a>
<b>RefSeq Size:</b>	1421 bp
<b>RefSeq ORF:</b>	1005 bp
<b>Locus ID:</b>	81512
<b>UniProt ID:</b>	<a href="#">O70367</a>
<b>Cytogenetics:</b>	15q12
<b>MW:</b>	37.4 kDa
<b>Gene Summary:</b>	human homolog is a cartilage-specific glycoprotein that stimulates growth of chondrocytes and inhibits tube formation of endothelial cells [RGD, Feb 2006]