

## Product datasheet for RR211707

### Chrdl2 (NM\_001107537) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Chrdl2 (NM\_001107537) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Chrdl2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR211707 representing NM\_001107537  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGTTCCAGGGTGAGGATCATCCCCTCTTTGCTGGGACTCGTGATGTTCTGGCTCCCCTGGACTCGC  
AAGCCCAGCCCCCAGGCAAGGCTGCCTTTTCGGTGAAAAGATATATACCCCTGGCCAGAGCTGGCA  
CCCGTACTTGGAACCTCAAGGCAGATATACTGTGTGCGCTGTACCTGCTCTGAGAATGGCCACGTGAAT  
TGTTACCGCCTCCGATGCCACCCCTCCACTGCTCACAGCCTGTGATGGAGCCGCAACAGTGCTGTCCCA  
GGTGTGTGGATCCTCGTGTCCCCTCCGGCTCCGGTTCTCTGAAGTCGTGCCAGCTCAATGAGACCAC  
ATACCAACACGGAGAGATCTTCAGTGCCAGGAGCTGTTCCCGCCCGCCTGTCCAACAGTGTGTCCTG  
TGTAGCTGTATTGAGGGCCACACTTACTGCGGTCTCATGACCTGCCCTGAACCCAGCTGCCCCAGCACAC  
TCCCTCTGCCTGATTCTGCTGTCAGACATGCAAAGACAGGACAACGGAGAGTTCCTACTGAAGAAACTT  
GACACAGTTGCAGCACGGAGAGAGACATCCCAGGATCCATGTTTCAGATGATGGAAAGAGGAGAGGCCCC  
AGTACGCCAGCCCCTACCAGCCTCAGCTCCCCTCTGGGCTTCATCCCTCGCCACTTCCAGGCAATAGGGA  
TGGCGGCACTACTATCAAGATTATCTGAAGGAGAAACATAAAGAAAGCTGCACACACAATGGGAAGAC  
ATACTCCCATGGGAGGTGTGGCACCCCTACTGTGCTCTCCTTCGGCCCATGCCCCTGCATCCTGTGCACT  
TGTATGGATGGCTACCAAGACTGCCACCGTGTGACCTGCCCCACCAATATCCCTGCAGTCAACCAAGA  
AAGTGGCTGGGAAGTGTGCAAGACCTGCCAGAGGATGAGGCGGATGACGAGCACAGTGAGGTCATTTTC  
CACCCGGTGTCCCAAGGTACCAGGCCAGTTCATGTGTACACATTGGTATCTCCAAGCCCAGACAGCCTA  
CACCGCTTTGCTCGGAACACGAAGCCTCTGACCAGGTAGAGATGTACATCTGGAGGCTGGTGAAGGAA  
TCTACCACTTGATTGAGTCAAGAGAGTCAGGAAGCAAGATTTCCAGAAAGAGGCTCAGAAGTCCCGGCT  
GCTCACCGCACCCATGAAGGTTACTGGACCGTCTTCTAGCCCAGACTCCAGAGTTGAAAGTTACAGCC  
AGCCCAGACAAAGTGACCAGGACATTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211707 representing NM\_001107537  
 Red=Cloning site Green=Tags(s)

MVPRVRIIPSLGLVMFWLPLDSQARARPGKVCLFGEKIYTPGQSWHPYLEPQGTIYCVRCTCSENGHVN  
 CYRLRCPPLHCSQPVMPEPQCCPRCVDPRVPSGLRVPLKSCQLNETTYQHGEIFSAQELFPARLSNQCVL  
 CSCIEGHTYCGLMTCPEPSCPSTLPLDSCCQTCKDRTTESSTEENLTQLQHGERHSQDPCSDDGKRRGP  
 STPAPTSLSPLGFIPRHFQAIGMGTTIKIILKEKHKKACTHNGKTYSHGEVWHPTVLSFGPMPICILCT  
 CMDGYQDCHRVTCPTQYPCSQPKK VAGKCKCTCPEDEADDEHSEVISTRCPKVPQGQFHVYTLVSPSPDSL  
 HRFVLEHEASDQVEMYIWRLVKGIYHLIQIKRVRKQDFQKEAQNFRLLTGTHEGYWTVFLAQTPELKVTA  
 SPDKVTRTL

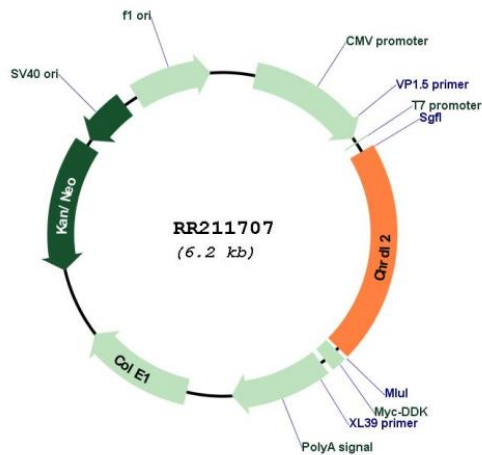
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



<b>ACCN:</b>	NM_001107537
<b>ORF Size:</b>	1287 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_001107537.1</a> , <a href="#">NP_001101007.1</a>
<b>RefSeq Size:</b>	1529 bp
<b>RefSeq ORF:</b>	1290 bp
<b>Locus ID:</b>	308854
<b>Cytogenetics:</b>	1q32
<b>MW:</b>	48.2 kDa