

Product datasheet for **RR217355**

Chrd (NM_057134) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrd (NM_057134) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chrd
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR217355 representing NM_057134
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCGAGCTCCCGGCCCGCCGGCCCTCGGCTGCTCCTCGGGCTGCTGCTGCTCGGCTCGCGGCCGG
 CCGGTGGCACTGGCCCTGAGGCCCCCGCACTGCCCATCCGTTCCGAGAAGGAGCCACTGCCTGTCCGGGG
 AGCGGCAGGCTGCTCCTTCGCGCGGAAGGTCTATGCCTTGGACGAGACGTGGCACCCGGACCTGGGGGAG
 CCTTTTGGGGTGTGCGCTGTGTGCTGTGCGCCTGCGAAGCGCCTCAGTGGGCTCGCCGTGGGAGGGGCC
 CTGGCAGGGTCAGCTGCAAGAACATCAAACCTCAGTCCCCACCCTGGCCTGCAGGCAGCCGCGCCAGCT
 GCCAGGACTGCTGCCAGACCTGCCCGCAGGAGCGCAGCAATCTAGATCCACAGCCGGCTGGCCTGGTC
 TTCGAGTATCCAAGGGACCCAGAGCATCGCAGTTATAGCGATCGAGGGGAACCCGGCACTGGGGAGCGGA
 CACGTGGTGTGCGCCACACGGACTTTGTGGCCTGCTGACTGGACCGAGGACGCAGGCGGTAGCTCGTGC
 TCGAGTCTCTTTGCTGCGCTCAAGTTTACGCTTCTCTATCTCCTACCAGCGGCTGGACCGTCCCAGCAGG
 GTTCGGTTCACAGACCCACAGGCAACATCCTGTTTGAACACCCTGCTGCCCCACCCAAGATGGCCTGG
 TCTGTGGGGTGTGGCGGGCAGTGCCCTCGGCTGTCTGTGAGGCTCCTGAGGGCAGAGCAGCTGCGTGTTC
 CCTGTGACACCCACTCACCTTTCAGAAGAAGTCTGGGGGCTCTCATTGGCAGGGTGTCTCACTGCA
 GAGACCTTCAGTGCCATCCTGACCCTGGAGGACCCACTGCAGCGGGGTGTGGGGGCATAGCCCTGCTCA
 CTCTCAGTGACACAGAAGATGCCTTACATTTTTGCTGCTCTTCCGGGGTCTGCTGGGAGGACTAGCTCA
 CGTCCCCTTGAAGCTTCAGATTCACACAGGGACAGCTACTTCGAGAGCTCCAGGCCAATGCCTCAGCT
 CAGGAGCCAGGTTTTGCTGAGGTGCTGCCAGCCTTACAGACCAAGAGATGGACTGGTTGGTGTGGGG
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 GAGCTGTGATGTCTTCAAAGCGTCTCTGTGGGGTGTGCTTGTGATCCAGTCCAGACGGGTGCTGCT
 GGCTCAGCCAGCTTCATACTGCTAGGAAATGGCTCCCTTATCTATCAGGTACAAGTGATAGGTACAGGTA
 GCGAGGTGGTGGCCATGACGCTGGAGACCAAGCCTCAGCGGAAGAACCAGCGCACTGTCTGTGCCACAT
 GGCTGGACTCCAGCTGGGAGGACACATGGCTGTGGGTGTCTGCTTGGGCTGGGTGCCGAGGGGCTCAC
 ATGCTGCTACAGAATGAGTTGTTCTGAATATTGGTACCAAGGACTTCCCAGACGGAGAGCTTCGGGGGC
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 AGTAACCCTAGAGGAGAGCTACGCGGGCAGGTGCACATTGCCAGTCAGTGTGAGGTGGGAGGCTGCGCC
 TGGCCTCAGAAGGAGTGGGATGTCTTGGCTCCAAATGGAGAGGCAGCTACATCACCCATGCTGCCTGC
 TGGGCCCGGCCCTGAAGCCCGGTACCAGCAAACACGGCAGCTCTGGGAGACCCCGAGATCCTAACACA
 TGTTTCTTCGAGGGGCAGCAGCGTCCCCACGGGGCTCGCTGGGCACCCAACTATGACCCACTCTGCTCCC
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 GGCACCCCGTTGTGCCCCCTTTGGCCTAATTAAGTGTGCTGTCTGCACCTGCAAGGGGGCCACCGGAGA
 GGTGCACTGTGAGAAGGTGCAGTGTCTCGCCTCGCCTGTGCTCAGCCTGTCCGTGCCAACCCACCGAC
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 CCGCCACTATCCTGCGGCTCAGGGAAGGAGATCGATGCTGTTCCCACTGTACAGCCAAAGGTCCTCTG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217355 representing NM_057134
 Red=Cloning site Green=Tags(s)

MPSLPAPPAPRLLLGLLLLGSRPAGGTGPEAPALPIRSEKEPLPVRGAAGCSFGGKVVYALDETWHPDLGE
 PFGVMRCVLCACEAPQWARRGRGPGRVSCKNIKPQCPTLACRQPRQLPGHCCQTCPOERSNLDPQAGLV
 FEYPRDPEHRYSYDRGEPGTGERTRGDGHTDFVALLTGPRTQAVARARVSLRSSLRFSISYQRLDRPSR
 VRFTDPTGNILFEHPAAPTQDGLVCGVWRAVPRLSVRLLRAEQLRVALVTPHPSEEVWGPLIWQALTA
 ETFSAILTLEDPLQRGVGGIALLLSDTEDALHFLLLFRGLLGGLAHVPLKQLILHQGQLLRELQANASA
 QEPGFAEVLPSLTDQEMDWLVLGELQMVLEKMGPELRI SGYITTRQSCDVLQSVLCGADALIPVQTGAA
 GSASFILLGNGLIYQVQVIGTGSEVVAMTLETKPQRKNQRTVLCHMAGLQLGGHMAVGVCSGLGARGAH
 MLLQNELFLNIGTKDFPDGELRGHVLTALCYSGHSAHYDRLPVPLAGALVLPVRSQAAGHAWLSLDTHCH
 LHYEVLLAGLGGSEQGTVAHLLGPPGMPGPQRLLKGFYGEAQGVVKDLEPVLLRHLTQGTASLLITTK
 SNPRGELRGQVHIASQCEVGLRLASEGVRMSLAPNGEAAATSPMLPAGPGPEAPVPAKHGSSGRPRDPNT
 CFFEGQQRPHGARWAPNYDPLCSLCTCQRRTVICDPVVCPPPSCPHPVQALDQCCPVCPEKQRSRDPLSL
 PNLEPGEGCYFDGDRSWRAAGTRWHPVPPFGLIKCAVCTCKGATGEVHCEKVQCPRLACAQPVRRANPTD
 CCKQCPVGSNGTHAKLGDPMQADGPRGCRFAGQWFPENQSWHPSVPPFGEMSCITCRGAGVPHCERDDCS
 PPLSCGSGKESRCCSHCTAQRSSERTLPELEKEAQRS

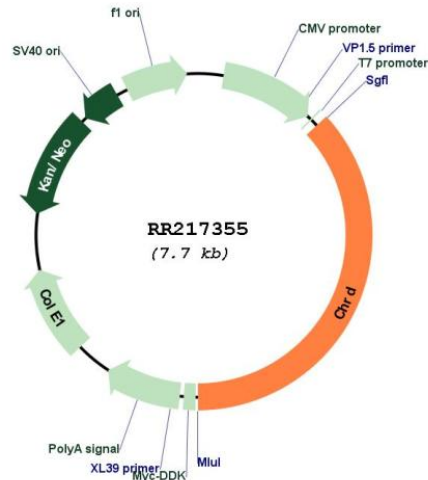
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_057134

ORF Size: 2844 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_057134.1](#), [NP_476475.1](#)

RefSeq Size: 3267 bp

RefSeq ORF: 2847 bp

Locus ID: 117275

Cytogenetics: 11q23

MW: 101.7 kDa

Gene Summary:

secreted protein; human homolog binds TGF-beta and similar morphogenetic proteins; may be important for organogenesis and dorsal/ventral pattern specification of neural crest [RGD, Feb 2006]