

Product datasheet for MC227669

Chrdl2 (NM_001291320) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrdl2 (NM_001291320) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chrdl2
Synonyms:	1810022C01Rik; Chl2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC227669 representing NM_001291320 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGCACAAAGATCAGACACCACTCTGGGTAGGACCCGAACCTGTTGCGCATTCTTGTATTCCAGGAGT
TCTTCATTGTGTCTCAGCCAAGTTGTTTGTCTCGCTCGGGCAAAGTCTGCCTTTTCGGTGAAAAGATATA
TACCCCGGCCAGAGCTGGCACCCCTACTTGAACCACAAGGCAGGATATACTGCGTGCCTGTACCTGC
TCTGAGAAATGGACATGTGAATTGTACCCTCCGCTGCCACCCCTTCACTGCTCACAGCTGTGATGG
AGCCACAGCAATGCTGTCCAGGTGTGTGGATCCTCATGTCCCCTCTGGCCTCCGAGTTCGCCCTAAAGTC
CTGCCAGCTCAATGAGACCACATACCAACATGGAGAGATCTTCAGTGCCAGGAGCTGTTCCCTGCCCGC
CTGTCCAACCAAGTGTGTCTGTAGTGTATTGAAGGCCACACTTACTGTGGTCTCATGACCTGTCCTG
AACCCAGCTGCCCCACCACACTCCCTCTGCCTGATTCTGCTGTGACACCTGCAAAGACAGGACAAGTGA
GAGTTCACAGAAAGAACTTGACACAGCTGCAGCATGGAGAGAGACATCCCAGGATCCATGCTCGGAG
AGGAGAGGCCCCAGCAGCCAGCCACCAGCCCTCAGCTCCCTCTGGGCTTCATCCCTCGCCACTTCC
AGTCAGTAGGAATGGGCAGCACAAACATCAAGATTATCTTGAAGGAGAAACATAAAAAAGCTTGCACACA
CAATGGGAAGACATACTCCCATGGGAGGTGTGGCACCCCACTGTGCTCTCCTTTGGCCCATGCCCTGC
ATCCTGTGCACATGTATCGATGGCTACCAGGACTGCCACCGTGTGACCTGCCCCACCCAATATCCCTGCA
GTCAACCAAGAAAGTGGCTGGGAAGTGTGCAAGATCTGCCAGAGGACGAGGCCGAAGATGACCACAG
TGAGGTCAATTCACCCGGTGTCCCAAGGTACCAGGCCAGTTCAGGTGTACAGTTGGCATCTCCAAGC
CCAGACAGCTACACCGCTTTGTCTGGAGCATGAAGCCTCTGACCAGGTAGAGATGTACATTTGGAAGC
TGGTGAAGGAATCTACCACTTGGTTGAGTCAAGAGAGTCAAGGAAGCAAGATTTCCAGAAAGAGGCTCA
GAACTCCGGCTGCTACCGGCACCCATGAAGGTTACTGGACCGTCTTCCTAGCCAGACTCCAGAGCTG
AAAGTTACAGCCAGCCAGACAAAGTGACCAAGACATTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001291320
Insert Size:	1302 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001291320.1</u> , <u>NP_001278249.1</u>
RefSeq Size:	1478 bp
RefSeq ORF:	1302 bp
Locus ID:	69121
UniProt ID:	<u>Q8VEA6</u>
Cytogenetics:	7 E2
Gene Summary:	Implicated in tumor angiogenesis (By similarity). May inhibits BMPs activity by blocking their interaction with their receptors. Has a negative regulator effect on the cartilage formation/regeneration from immature mesenchymal cells, by preventing or reducing the rate of matrix accumulation. May play a role during myoblast and osteoblast differentiation, and maturation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1).