

Product datasheet for **MC229235**

Chrd (NM_001278041) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrd (NM_001278041) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chrd
Synonyms:	Chd
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC229235 representing NM_001278041
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCGAGCTCCCGGCCCGCCGGCCCGCGGCTGCTCCTCGGGCTGCTGCTGCTCGGCTCGCGGCCGG
 CCAGTGGCACTGGCCCTGAGCCCCAGCACTGCCCATCCGTTCCGAGAAGGAGCCGCTGCCTGTCCGGGG
 AGCGGCAGAGCCCGGAGCAGGCATTACGACAGCAGCAACCGGACAGCGGCCGCCAGCAAGCCCGTCCCC
 GCAGGCTGCTCCTTCGGCGGGAAGGTCTATGCCTTGACGAGACGTGGCACCCGGACCTGGGGGAGCCTT
 TTGGGGTGATGCGCTGCGTGCTGTGCGCCTGTGAAGCGCCTCAGTGGGCTCGCCGTGGGAGGGTCTGG
 CAGGGTCACTGCAAGAACATCAAACCTCAGTCCCCACCCTGGCCTGCAGGCAGCCGCGCCAGCTGCCA
 GGACACTGCTGCCAGACCTGCCCGCAGGAGCGCAGCAATCTAGATCCACAGCCCGCTGGCCTGGTCTTCG
 AGTATCCAAGGGATCCAGAGCATCGCAGTTACAGTGATCGAGGGGAACCCGGCGTTGGGGAGCGGACCCG
 TGCTGATGGCCACACAGACTTTGTGGCGCTGCTGACAGGACCGAGGTGCGAGGCGGTAGCTCGTGTCTGA
 GTCTCTTTGCTGCGCTCAAGTTTACGCTTCTGTCTCCTACCAGCGGCTGGACCGTCCCAGCAGGGTTC
 GTTTCACAGATCCCACAGGCAACATCCTGTTTGAACACCCTGCAACCCCCACCCAGGATGGCCTGGTCTG
 TGGGGTGTGGCGGGCAGTGCCTCGGCTGTCTGTGAGGCTCCTGAGGGCAGAGCAGCTTCGGGTAGCCCTT
 GTGACATCCACTCACCTTCAGGAGAAGTCTGGGGCCTCTCATTTGGCAGGGTGTCTCGCTGCAGAGA
 CCTTCAGTGCCATCCTGACCCTGGAAGACCCACTGCAGCGGGGTGTGGGGGCATAGCCCTGTCCACCT
 CAGTGACACAGAAGATTCCTTGCATTTTTGCTGCTCTCCGGGGTCTGCTGGGAGGACTAGCTCAGGCT
 CCCTTGAAGTTCAGATTCTCCACCAGGACAGCTACTTCGGGAGCTCCAGGCCAACACCTCCGCTCAGG
 AGCCAGGTTTTGCTGAGGTGCTGCCAGCCTTACAGACCAAGAGATGGACTGGTTGGAGCTGGGGGAGCT
 GCAGATGGTCTAGAGAAGCGGGTGGGCCAGAGCTACGCATCAGTGGATACATACCACCAGCGAGAGC
 TGTGATGTCTTCAAAGTGTCTTTGTGGGGCTGATGCCCTGATCCAGTCCAGACGGGTGCTGCTGGGT
 CAGCCAGCTTCATATTGCTAGGAAATGGCTCCCTATCTATCAGGTGCAAGTGGTAGGTACAGGTAGCGA
 GGTGGTGGCCATGACACTGGAGACCAAGCCTCAGCGGAAGAACCAGCGCACTGTCTGTGCCACATGGCT
 GGACTCCAGCCGGGAGGACACATGGCTGTGGGTATGTGCTCTGGGCTGGGTGCCCGAGGGGCTCATATGC
 TGCTACAGAACGAGCTGTTCTGAATGTTGGTACCAAGGACTTCCAGATGGAGAGCTTCGGGGGCATGT
 GACTGCCCTATGTACAGTGGGCACAGTCCCCGCTATGACAGATTGCCTGTGCCTCTGCCAGGGGCACTA
 GTGCTGCCCCCTGTGCGGAGTCAAGCAGCAGGGCACGCCTGGCTCTCCTTGATACACATTTGCTACTTAC
 ACTATGAAGTTCTATTGGCTGGGCTTGGTGGCTCAGAGCAAGGAACTGTCACTGCCACCTCCTTGGGCC
 TCTTGGGATGCCAGGGCCCCAGCGGCTGCTGAAGGGATTCTATGGCTCAGAGGCTCAGGGCGTGGTAAAA
 GATCTGGAGCCTGTGCTGCTGCGGCACCTGGCACAGGGCACTGCCTCCCTGCTCATCACCAAGAGTA
 GCCCCAGAGGAGAAGTACGTGGGAGGTGCACATTGCCAGTCAAGTGTGAGGCGGGAGGCCTGCGTGTGGC
 CTCAGAAGGAGTGCAGATGCCCTTGGCTCCAAATGGAGAGGCGGCTACGTACCCATGCTGCCTGTGGC
 CCTGGCCCTGAAGCCCCAGTACCAGCCAAACATGGCAGCCCTGGGAGACCCCGAGATCCTAACACATGTT
 TCTTCGAGGGGCAGCAGCGGCCACCGGGCTCGCTGGCACCCAACTATGACCCACTCTGCTCCCTCTG
 CATCTGCCAGAGACGAACAGTGTCTGTGACCCTGTAGTATGCCACCAAGCTGTCCCACCCGGTGTG
 CAGGCACTGGACCAAGTGTCTCCCGTGTGTCCAGAGAAACAACGAGTAGAGACCTCCCCAGCCTACCAA
 ATCTGGAGCCAGGAGAGGGCTGCTATTTTGTGTTGACCGGAGCTGGAGGGCAGCGGGTACCCGATGGCA
 CCCTGTTGTGCCCCCTTTGGCCTAATTAAGTGTGCTGTCTGCACCTGCAAGGGGGCCACGGGAGAGGTG
 CACTGTGAGAAGGTGCAGTGTCTCGCCTGGCCTGTGCTCAGCCTGTCCGTGCCAACCCACCGACTGCT
 GCAAACAGTGTCCAGTAGGGTCAAGGACTAATGCCAAGCTGGGAGACCCATGCAGGCTGATGGGCTCG
 GGGGTGCTGCTTTGCTGGCAGTGGTCCAGAGAATCAGAGCTGGCACCCATCAGTGGCCCCCTTTGGG
 GAGATGAGCTGTATTACCTGCAGATGTGGGGCAGGGGTACCCACTGTGAGCGGGACGATTGTTACCCGC
 CGCTATCCTGTGGCTCAGGGAAGGAGAGTGCATGCTGTTCCCACTGCACAGCCAAAGGTCTCTGAGAC
 TAGAACCTTCCAGAGCTGGAGAAAGAAGCGGAGCACTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001278041
Insert Size:	2913 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:	NM_001278041.1 , NP_001264970.1
RefSeq Size:	3358 bp
RefSeq ORF:	2913 bp
Locus ID:	12667
UniProt ID:	Q9Z0E2
Cytogenetics:	16 12.51 cM
Gene Summary:	<p>Dorsalizing factor. Key developmental protein that dorsalizes early vertebrate embryonic tissues by binding to ventralizing TGF-beta family bone morphogenetic proteins (BMPs) and sequestering them in latent complexes.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame acceptor splice site in the 5' coding region compared to variant 1, which results in a longer isoform (2) containing an internal protein segment not found in isoform 1.</p>