

Product datasheet for **SC336074**

CHRD2 (NM_001278473) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHRD2 (NM_001278473) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHRD2
Synonyms:	BNF1; CHL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC336074 representing NM_001278473. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTTCCCGAGGTGAGGGTCTCTCTCTCTGCTGGGACTCGCGCTGCTCTGGTCCCCCTGGACTCC
CACGCTCGAGCCCGCCAGACATGTTCTGCCTTTCCATGGGAAGAGATACTCCCCGGCGAGAGCTGG
CACCCCTACTGGAGCCACAAGGCTGATGTACTGCCTGCGCTGTACCTGCTCAGAGGGCGCCCATGTG
AGTTGTTACCGCTCCACTGTCCGCTGTCCACTGCCCCAGCCTGTGACGGAGCCACAGCAATGCTGT
CCCAAGTGTGGAACCTCACACTCCCTCTGGACTCCGGGCCACCAAAGTCTGCCAGCACACGGG
ACCATGTACCAACACGGAGAGATCTTCAGTGCCCATGAGCTGTTCCCTCCCGCTGCCAACCAAGTGT
GTCTCTGCAGCTGCACAGAGGGCCAGATCTACTGCGGCCTCACAACTGCCCGAACCAAGCTGCCCA
GCACCCCTCCCGCTGCCAGACTCCTGCTGCCAGGCTGCAAGATGAGGCAAGTGAATCGGATGAA
GAGGACAGTGTGCAGTCGCTCCATGGGGTGAACATCCTCAGGATCCATGTTCCAGTGTGCTGGGAGA
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AGACCAAGGGAGCAGGCAGCACAACCTGCAAGATCGTCTGAAGGAGAAACATAAGAAAGCCTGTGTG
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TGCCGTACCCCGAGAAAGTGGCTGGGAAGTGTGCAAGATTTGCCAGAGGACAAGCAGACCCCTGGC
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CCAAGCCAGACAACCTGCGTCGCTTTGCCCTGGAACACGAGGCCTCGGACTTGGTGGAGATCTACCTC
TGGAAAGCTGGTAAAAGGAATCTTCCACTTGACTCAGATCAAGAAAGTCAAGAAAGTCCAGAAA
GAGGCACAGCACTTCCGACTGCTCGCTGGCCCCACGAAGGTCAGTGAACGCTTCTAGCCAGACC
CTGGAGCTGAAGTACAGCCAGTCCAGACAAAGTGACCAAGACATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001278473
Insert Size:	1290 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).
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_001278473.2
RefSeq Size:	1868 bp
RefSeq ORF:	1290 bp
Locus ID:	25884
UniProt ID:	Q6WN34
Cytogenetics:	11q13.4
Protein Families:	Secreted Protein
MW:	47.5 kDa
Gene Summary:	<p>This gene encodes a member of the chordin family of proteins. Chordin family members are secreted proteins that share a cysteine-rich pro-collagen repeat domain and associate with members of the transforming growth factor beta superfamily. In vitro assays demonstrate a direct interaction between the encoded protein and human activin A. This gene is expressed in many tissues including osteoblasts, where it is differentially expressed during differentiation. In addition, its expression is upregulated in human osteoarthritic joint cartilage, suggesting a role in adult cartilage regeneration. [provided by RefSeq, Jan 2015]</p> <p>Transcript Variant: This variant (2) lacks an alternate 3' coding exon, which results in a frameshift compared to variant 1. The encoded isoform (2) has a shorter and distinct C-terminus compared to isoform 1.</p>