

Product datasheet for **SC304313**

CHRD2 (NM_015424) Human Untagged Clone

Product data:

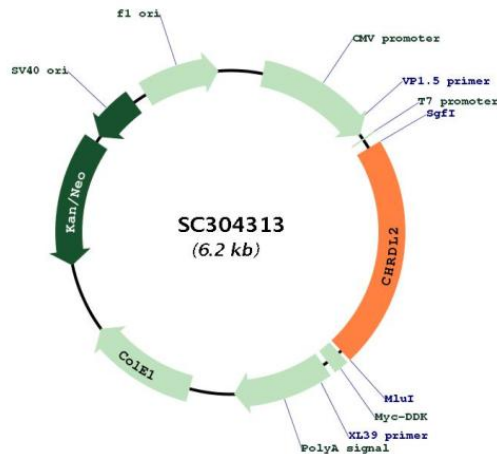
Product Type:	Expression Plasmids
Product Name:	CHRD2 (NM_015424) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHRD2
Synonyms:	BNF1; CHL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304313 representing NM_015424. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGTTCCCGAGGTGAGGGTCTCTCCTCTGCTGGACTCGCGCTGCTCTGGTTCCCCCTGGACTCC
CACGCTCGAGCCCGCCAGACATGTTCTGCCTTTCCATGGGAAGAGATACTCCCCGGCGAGAGCTGG
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TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_015424

Insert Size: 1356 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_015424.5](#)

RefSeq Size: 1923 bp

RefSeq ORF: 1356 bp

Locus ID: 25884

UniProt ID: [Q6WN34](#)

Cytogenetics: 11q13.4

Protein Families: Secreted Protein

MW: 49.7 kDa

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).