**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for SC100163

## CHRDL1 (NM_145234) Human Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | CHRDL1 (NM_145234) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | CHRDL1 |
| **Synonyms:** | CHL; dA141H5.1; MGC1; MGCN; NRLN1; VOPT |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pCMV6-XL4 |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |
| **Fully Sequenced ORF:** | >NCBI ORF sequence for NM_145234, the custom clone sequence may differ by one or more nucleotides |

ATGAGAAAAAAGTGGAAAATGGGAGGCATGAAATACATCTTTTCGTTGTTGTTCTTTCTTTTGCTAGAAG
GAGGCAAAACAGAGCAAGTAAAACATTCAGAGACATATTGCATGTTTCAAGACAAGAAGTACAGAGTGGG
TGAGAGATGGCATCCTTACCTGGAACCTTATGGGTTGGTTTACTGCGTGAACTGCATCTGCTCAGAGAAT
GGGAATGTGCTTTGCAGCCGAGTCAGATGTCCAAATGTTCATTGCCTTTCTCCTGTGCATATTCCTCATC
TGTGCTGCCCTCGCTGCCCAGACTCCTTACCCCCAGTGAACAATAAGGTGACCAGCAAGTCTTGCGAGTA
CAATGGGACAACTTACCAACATGGAGAGCTGTTCGTAGCTGAAGGGCTCTTTCAGAATCGGCAACCCAAT
CAATGCACCCAGTGCAGCTGTTCGGAGGGAAACGTGTATTGTGGTCTCAAGACTTGCCCCAAATTAACCT
GTGCCTTCCCAGTCTCTGTTCCAGATTCCTGCTGCCGGGTATGCAGAGGAGATGGAGAACTGTCATGGGA
ACATTCTGATGGTGATATCTTCCGGCAACCTGCCAACAGAGAAGCAAGACATTCTTACCACCGCTCTCAC
TATGATCCTCCACCAAGCCGACAGGCTGGAGGTCTGTCCCGCTTTCCTGGGGCCAGAAGTCACCGGGGAG
CTCTTATGGATTCCCAGCAAGCATCAGGAACCATTGTGCAAATTGTCATCAATAACAAACACAAGCATGG
ACAAGTGTGTGTTTCCAATGGAAAGACCTATTCTCATGGCGAGTCCTGGCACCCAAACCTCCGGGCATTT
GGCATTGTGGAGTGTGTGCTATGTACTTGTAATGTCACCAAGCAAGAGTGTAAGAAAATCCACTGCCCCA
ATCGATACCCCTGCAAGTATCCTCAAAAAATAGACGGAAAATGCTGCAAGGTGTGTCCAGGTAAAAAAGC
AAAAGAACTTCCAGGCCAAAGCTTTGACAATAAAGGCTACTTCTGCGGGGAAGAAACGATGCCTGTGTAT
GAGTCTGTATTCATGGAGGATGGGGAGACAACCAGAAAAATAGCACTGGAGACTGAGAGACCACCTCAGG
TAGAGGTCCACGTTTGGACTATTCGAAAGGGCATTCTCCAGCACTTCCATATTGAGAAGATCTCCAAGAG
GATGTTTGAGGAGCTTCCTCACTTCAAGCTGGTGACCAGAACAACCCTGAGCCAGTGGAAGATCTTCACC
GAAGGAGAAGCTCAGATCAGCCAGATGTGTTCAAGTCGTGTATGCAGAACAGAGCTTGAAGATTTAGTCA
AGGTTTTGTACCTGGAGAGATCTGAAAAGGGCCACTGTTAG

View online »

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM_145234 unedited
GGTCAAATTTGTATACCATCACTATAGGCGGCCGCGATTCGGCACCAGGGAGCTCGGAGC
GCGTGCACGCGTGGCAGACGGAGAAGGCCAGTGCCCAGCTTGAAGGTTCTGTCACCTTTT
GCAGTGGTCCAAATGAGAAAAAAGTGGAAAATGGGAGGCATGAAATACATCTTTTCGTTG
TTGTTCTTTCTTTTGCTAGAAGGAGGCAAAACAGAGCAAGTAAAACATTCAGAGACATAT
TGCATGTTTCAAGACAAGAAGTACAGAGTGGGTGAGAGATGGCATCCTTACCTGGAACCT
TATGGGTTGGTTTACTGCGTGAACTGCATCTGCTCAGAGAATGGGAATGTGCTTTGCAGC
CGAGTCAGATGTCCAAATGTTCATTGCCTTTCTCCTGTGCATATTCCTCATCTGTGCTGC
CCTCGCTGCCCAGAAGACTCCTTACCCCCAGTGAACAATAAGGTGACCAGCAAGTCTTGC
GAGTACAATGGGACAACTTACCAACATGGAGAGCTGTTCGTAGCTGAAGGGCTCTTTCAG
AATCGGCAACCCAATCAATGCACCCAGTGCAGCTGTTCGGAGGGAAACGTGTATTGTGGT
CTCAAGACTTGCCCCAAATTAACCTGTGCCTTCCCAGTCTCTGTTCCAGATTCCTGCTGC
CGGGTATGCAGAGGAGATGGAGAACTGTCATGGGAACATTCTGATGGTGATATCTTCCGG
GCACCTGCCAACAGAGAAGCAAGACATTCTTACCACCGCTCTCACTATGATCCTNCACCA
GCCGACAGGCTGGAGGTCTGTCCCGCTTTCCTGGGGCCAAAGTCACCGGNGAGCTCTTAT
GGATTCCCAGCAGCATCNGAAACCATTGTGCAATGTCATCATAACAACACAGCTGGAACA
GTGTGTGTTTCATGGNAAGACTATNTCATNGNCAGTCCTGN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM_145234 unedited
NNCCATTTGNNNGGGTATACTAGGACCGCGCCGCAATCTAAATACGCAATTTTTTTTTTTT
TTTTTTTTTTTGGAATTTCAAAATTAACTTTTTTATTAATTTAAAAATCCCGAAATACAG
TGACTACCTAAATAAGTTCCATAATTAGGTACATGTCCTGTGAGAACAGTGAAAGGGTAA
TACTGTTATGTTACTCTTACTTGTTTACATGAGTTAACTAGAAAATGGCTACCACTGCTA
AATGATGCTTATGGTCTTTGTTGTTCCAAGTGTTTATGATACCATAAATCCCCAGAAGAA
CCCATCCCTTCTTCTCTACTAACTACAGGCAGCTTGGCCTCTTTACCCTATGTCCTATTC
TCTACACAACACCAAACACTGGAGGGTTTCTACTTTGACTTAACACAGCTCCCCAACTCC
TGCTTCCCACAGCATTTTGCAAAGGTGTGTCCCAACACCTGGAAGCAAGAGTATATCTTG
GAGAAACTCTCTGCGTGTTCTCTTTAGGCCAAACCTTTTCCAAAAACCCCTGGGTGGAGA
ACGGCTTTGGGGGTGAATCCTTCCACAAAAGAGAAAACCACCTCTTTTGGCCTTAGGAAT
CTAGCTTCCTAACCCCCCCCCTTTTAGGAAATCACCGACGCCCTCTCTGGGAACGGGAGG
AGAGACCCCGCCAAAACAACATTACCGCCGTTTTAACGAAGAATTCCCCGAACAATGACA
AGAGGAACCACCCTATTCACCCCCAGAACACCGGAACACGAGCGAAACTATAGACAGCCC
CGCACCCCGGGAGAGGGACCCGAGAGGACACATCGTTCCATGANAACGACGGGCCTATAT
AGAGCACACCAGAAAACAATATAACACC

**Restriction Sites:** NotI-NotI

**ACCN:** NM_145234

**Insert Size:** 4000 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:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_145234.2, NP_660277.2 |
| **RefSeq Size:** | 2488 bp |
| **RefSeq ORF:** | 1371 bp |
| **Locus ID:** | 91851 |
| **UniProt ID:** | Q9BU40 |
| **Cytogenetics:** | Xq23 |
| **Domains:** | VWC |
| **Protein Families:** | ES Cell Differentiation/IPS, Secreted Protein |
| **Gene Summary:** | This gene encodes an antagonist of bone morphogenetic protein 4. The encoded protein may play a role in topographic retinotectal projection and in the regulation of retinal angiogenesis in response to hypoxia. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jan 2009]<br>Transcript Variant: This variant (3) differs in the 5' UTR and uses alternate in-frame splice sites in the coding region compared to variant 1. The resulting protein (isoform 3) is shorter but has the identical N- and C-termini compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. |