

## Product datasheet for **SC329721**

### CHODL (NM\_001204177) Human Untagged Clone

#### Product data:

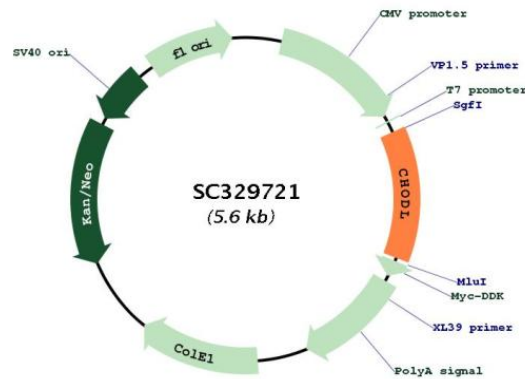
**Product Type:** Expression Plasmids  
**Product Name:** CHODL (NM\_001204177) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CHODL  
**Synonyms:** C21orf68; MT75; PRED12  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC329721 representing NM\_001204177.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGCCTACTTCCATGAACTGTCCAGCCGAGTGAGCTTTCAGGAGGCACGCCTGGCTTGTGAGAGTGAG
GGAGGAGTCCTCCTCAGCCTTGAGAATGAAGCAGAACAGAAAGTTAATAGAGAGCATGTTGCAAAACCTG
ACAAAACCCGGGACAGGGATTTCTGATGGTGATTTCTGGATAGGGCTTTGGAGGAATGGAGATGGGCAA
ACATCTGGTGCCTGCCAGATCTCTACCAGTGGTCTGATGGAAGCAATCCCAGTACCGAACTGGTAC
ACAGATGAACCTTCCTGCGGAAGTGAAAAGTGTGTTGTGATGTATCACCAACCAACTGCCAATCCTGGC
CTTGGGGTCCCTACCTTTACCAGTGAATGATGACAGGTGAACATGAAGCACAATTATATTTGCAAG
TATGAACCAGAGATTAATCCAACAGCCCTGTAGAAAAGCCTTATCTTACAAATCAACCAGGAGACACC
CATCAGAATGTGTTGTTACTGAAGCAGTAAAGGAAGAACAAAACTAGTCCAAACCACTACACTGT
GGATTTCAAAGAGTACCAGAAAAGAAAGTGGCATGGAAGTATAATAACTCATTGACTTGGTTCCAGAAT
TTTGTAACTTCTGGATCTGTATAAGGAATGGCATCAGAACAATAGCTTGAATGGCTTGAATCACAAG
GATCTGCAAGATGAACTGTAA
```

**Restriction Sites:** Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_001204177

**Insert Size:** 711 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.
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\\_001204177.1](#)

**RefSeq Size:** 2113 bp

**RefSeq ORF:** 711 bp

**Locus ID:** 140578

**UniProt ID:** [Q9H9P2](#)

**Cytogenetics:** 21q21.1

**Protein Families:** Transmembrane

**MW:** 27.2 kDa

**Gene Summary:** This gene encodes a type I membrane protein with a carbohydrate recognition domain characteristic of C-type lectins in its extracellular portion. In other proteins, this domain is involved in endocytosis of glycoproteins and exogenous sugar-bearing pathogens. This protein localizes predominantly to the perinuclear region. Several transcript variants encoding a few different isoforms have been found for this gene. [provided by RefSeq, Feb 2011]

Transcript Variant: This variant (5) differs in the 5' UTR and coding sequence and lacks an alternate coding exon compared to variant 1, that causes a frameshift. The resulting isoform (d) has a shorter N-terminus and a longer and distinct C-terminus compared to isoform a. Variants 5 and 6 both encode the same isoform (d).