

Product datasheet for **RG232293**

CHODL (NM_001204174) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | CHODL (NM_001204174) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | CHODL |
| Synonyms: | C21orf68; MT75; PRED12 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG232293 representing NM_001204174 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTGCAGGTTTCGGCACACAGCCAAAAGGTGTGTTTTGCTGACTTCAAGCATCCCTGCTACAAAATGG
CCTACTTCCATGAACTGTCCAGCCGAGTGAGCTTTCAGGAGGCACGCCTGGCTTGTGAGAGTGAGGGAGG
AGTCCTCCTCAGCCTTGAGAATGAAGCAGAACAGAAGTTAATAGAGAGCATGTTGCAAAACCTGACAAA
CCCGGGACAGGGATTTCTGATGGTGATTTCTGGATAGGGCTTTGGAGGAATGGAGATGGGCAAACATCTG
GTGCTGCCAGATCTCTACCAGTGGTCTGATGGAAGCAATTCAGTACCGAACTGGTACACAGATGA
ACCTTCTGCGGAAGTGAAGTGTGTTGTGATGTATCACAACCAACTGCCAATCCTGGCCTTGGGGGT
CCCTACCTTTACCAGTGAATGATGACAGGTGAACATGAAGCACAATTATTTGCAAGTATGAACCG
AGATTAATCCAACAGCCCTGTAGAAAAGCCTTATCTTACAAATCAACCAGGAGACCCCATCAGAATGT
GGTTGTTACTGAAGCAGGTATAATCCCAATCTAATTTATGTTGTTATACCAACAATACCCTGCTCTTA
CTGATACTGGTTGCTTTTGGAACTGTTGTTCCAGATGCTGCATAAAAGTAAAGGAAGAACAAAACTA
GTCCAAACCAGTCTACTGTGGATTTCAAAGAGTACCAGAAAAGAAAGTGGCATGGAAGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232293 representing NM_001204174
Red=Cloning site Green=Tags(s)

MTAGSAHSQKVCFAFKHPCYKMAYPHELSSRVSFQEARLACESEGGVLLSLENEAEQKLIESMLQNLTK
 PGTGISDGDWIGLWRNGDGTSGACPDLYQWSDGSNSQYRNWYTDEPSCGSEKCVVMYHQPTANPLGG
 PYLYQWNDRCNMKHNYICKYEPEINPTAPVEKPYLTNQPGDTHQNVVTEAGIIPNLIYVVIPTIPLLL
 LILVAFGTCCFQMLHKSkgRtKtSPNQSTLWISKSTRKESGMev

TRTRPLE - GFP Tag - V

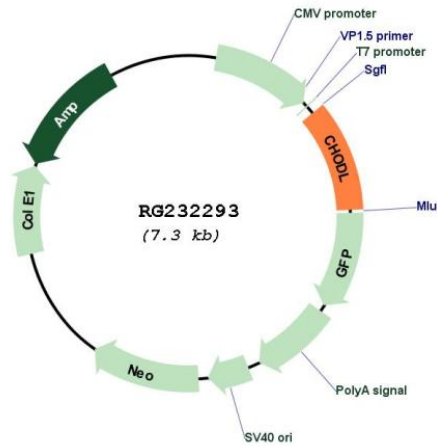
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001204174

ORF Size: 762 bp

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|-------------------------------|---|
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| 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_001204174.1 , NP_001191103.1 |
| RefSeq Size: | 2250 bp |
| RefSeq ORF: | 765 bp |
| Locus ID: | 140578 |
| UniProt ID: | Q9H9P2 |
| Cytogenetics: | 21q21.1 |
| Protein Families: | Transmembrane |
| 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] |