

## Product datasheet for **RG232221**

### CHODL (NM\_001204176) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CHODL (NM_001204176) 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:	>RG232221 representing NM_001204176 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCTACTTCCATGAAGTGTCCAGCCGAGTGAGCTTTCAGGAGGCACGCCTGGCTTGTGAGAGTGAGG  
GAGGAGTCCTCCTCAGCCTTGAGAATGAAGCAGAACAGAAGTTAATAGAGAGCATGTTGCAAAACCTGAC  
AAAACCCGGGACAGGGATTTCTGATGGTGATTTCTGGATAGGGCTTTGGAGGAATGGAGATGGGCAACA  
TCTGGTGCCTGCCAGATCTCTACCAGTGGTCTGATGGAAGCAATCCCAGTACCGAAACTGGTACACAG  
ATGAACCTTCTGCGGAAGTAAAAGTGTGTTGTGATGTATCACCAACCAACTGCCAATCCTGGCCTTGG  
GGTCCCTACCTTACCAGTGGAAATGATGACAGGTGTAACATGAAGCACAATTATATTTGCAAGTATGAA  
CCAGAGATTAATCCAACAGCCCTGTAGAAAAGCCTTATCTTACAAATCAACCAGGAGACACCCATCAGA  
ATGTGGTTGTTACTGAAGCAGGTATAATCCCAATCTAATTTATGTTGTTATACCAACAATACCCCTGCT  
CTTACTGATACTGGTTGCTTTTGGAACTGTTGTTCCAGATGCTGCATAAAAAGTAAAGGAAGAACAAAA  
ACTAGTCAAACCACTGACTGTGGATTTCAAAGAGTACCAGAAAAGAAAGTGGCATGGAAAGTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG232221 representing NM\_001204176  
Red=Cloning site Green=Tags(s)

MAYFHELSSRVSFQEARLACESEGGVLLSLENAEQKLIESMLQNLTKPGTGISDGFWIGLWRNGDQGT  
 SGACPDLYQWSDGSNSQYRNWYTDPEPCGSEKCVVMYHQPTANPGLGGPYLYQWDDRCNMKHNYICKYE  
 PEINPTAPVEKPYLTNQPGDTHQNVVVTEAGIIPNLIYVVIPTIPLLLLILVAFGTCCFQMLHKSkgRtk  
 TSPNQSTLWISKSTRKESGMEV

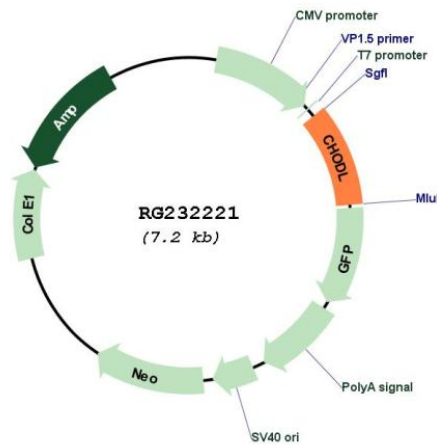
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001204176

**ORF Size:** 696 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001204176.1</a> , <a href="#">NP_001191105.1</a>
<b>RefSeq Size:</b>	2316 bp
<b>RefSeq ORF:</b>	699 bp
<b>Locus ID:</b>	140578
<b>UniProt ID:</b>	<a href="#">Q9H9P2</a>
<b>Cytogenetics:</b>	21q21.1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	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]