

Product datasheet for **MG225638**

Chodl (NM_139134) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Chodl (NM_139134) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Chodl
Synonyms: 3110074E07Rik; MT75; PRED12
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG225638 representing NM_139134
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCCGCATCGCCTCACTCTTGCTGGGAGCTGCGCTGCTCTGTGCCAGGGAGCCTTTGCCGAAGGG
TGGTCAGTGGTCAAAGGTGTGTTTTGCTGATGTGAAACATCCCTGTACAAAATGGCGTACTTCCATGA
ACTGTCTAGCCGGGTGAGCTTCCAGGAAGCAAGGCTGGCTTGAAAAGTGAAGGGGGTGCCTCCTGAGT
CTTGAGAATGAAGCTGAACAGAAGTTAATAGAGAGCATGCTTCAGAACCTGACAAAACCTGGAACAGGTA
TTTCAGATGGTGACTTCTGGATAGGACTTTTGAGAAGCGGAGATGGCCAAACATCGGGTGCCTGCCAGA
TCTCTACCAGTGGTCTGATGGAAGCAGCTCCAGTTCGAAACTGGTACACTGATGAACCTTCTGTGGG
AGTGAAAATGTGTAGTCATGTACCACCAACCAACTGCCAATCCTGGCCTAGGAGGTCCTACCTTTACC
AGTGGAATGACGACAGGTGCAACATGAAGCACAATTACATCTGCAAGTATGAACCAGAGATTCATCCAAC
AGAGCCCGCTGAAAAGCCGTATCTTACAAACCAACCTGAAGAGACCCATGAAAATGTGGTTGTTACTGAA
GCAGGCATAATCCCAATCTAATCTATGTTATTATACCAACGATTCGGCTGCTCTACTGATACTGGTTG
CTTTGGGAACCTGCTGTTTCCAGATGTTGCATAAAAAGTAAAGGAAGATCAAAAACCTAGCCCGAATCAGTC
TACACTGTGGATTTCAAAAAGCACGAGGAAGGAAAGTGGCATGGAGGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225638 representing NM_139134
 Red=Cloning site Green=Tags(s)

MIRIASLLLGAALLCAQGAFARRVVSQGKVCFADVKHPCYKMAYPHELSSRVSFQEARLACESEGGVLLS
 LENEAEQKLIESMLQNLTKPGTGISDGFWIGLLRSGDQTSACPDLYQWSDGSSSQFRNWTDEPSCG
 SEKCVVMYHQPTANPGLGGPYLYQWDDRCNMKHNYICKYEPEIHPTEPAEKPYLTNQPEETHENVVTE
 AGIIPNLIYVIPTIPLLLLILVALGTCCFQMLHKSKGRSKTSPNQSTLWISKSTRKESGMEV

TRTRPLE - GFP Tag - V

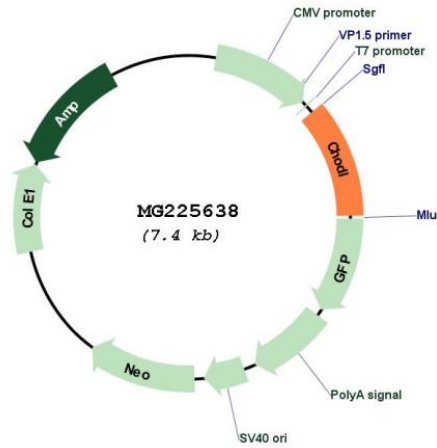
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_139134

ORF Size: 819 bp

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_139134.3 , NP_624360.2
RefSeq Size:	2530 bp
RefSeq ORF:	822 bp
Locus ID:	246048
UniProt ID:	Q9CXM0
Cytogenetics:	16 C3.1
Gene Summary:	May play a role in the development of the nervous system such as in neurite outgrowth and elongation (PubMed:24067532). May be involved in motor axon growth and guidance (By similarity).[UniProtKB/Swiss-Prot Function]