

Product datasheet for MC211276

Cotl1 (NM_028071) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cotl1 (NM_028071) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cotl1
Synonyms: 1810074P22Rik; 2010004C08Rik; Clp
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211276 representing NM_028071
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACGAAGATCGACAAGGAGGCGGTGTGCGCGGCCGTACAACCTAGTGGGGACGACGGCTCGGCGG
 TCATCTGGGTGACTTTCAGATACGACGGCGCCACCATTGTCCCCGGCGATCAGGGAGCAGATTACCAGCA
 CTTTCATCCAGCAGTGCACAGATGATGTCCGGCTGTTCCGCTTTGTGCGCTTCACCACCGGGACGCCATG
 AGCAAAAGATCCAAGTTTGCCCTCATCACATGGATCGGGGAGGACGTGAGTGGACTGCAGCGTGCCAAGA
 CGGGGACCGACAAGACGCTGGTGAAGGAGTGGTCCAGAATTTTGCAAAGGAATTTGTGATCAGCGACCG
 GAAGGAGCTAGAGGAAGACTTCATCAGGAGCGAGCTGAAGAAGGCTGGGGGGCCAACTACGACGCTCAG
 TCAGAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_028071

Insert Size: 429 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).



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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:	<u>NM_028071.3</u> , <u>NP_082347.1</u>
RefSeq Size:	1642 bp
RefSeq ORF:	429 bp
Locus ID:	72042
UniProt ID:	<u>Q9CQI6</u>
Cytogenetics:	8 E1
Gene Summary:	Binds to F-actin in a calcium-independent manner. Has no direct effect on actin depolymerization. Acts as a chaperone for ALOX5 (5LO), influencing both its stability and activity in leukotrienes synthesis (By similarity).[UniProtKB/Swiss-Prot Function]