

Product datasheet for **MG211374**

Cog1 (BC063056) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cog1 (BC063056) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cog1
Synonyms:	6030445I15, mKIAA1381
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG211374 representing BC063056
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCCGCGACCCGCTCCTCCGCGCTCAAGCGGCTGGATCTGCGCGATCCCAACCGCTCTTCGAGA
 CTATGGAGCGGAGGAGATCCGCGGGCTGGAGCGCCAGGTCAGAGCCGAGATCGAACACAAGAAGGAGGA
 GCTGCGGCAGATGGTGGGCGAGCGGTACCGCGACCTGATCGAGGCGGCGACACCATCGGCCAGATGCGC
 CGCTGCGCCGAGGGCCTGGTGGACGCCGTGCAGGCCACCGATCAATACTGCGCCCGCTCCGCCAGGCCG
 GCTCCGTGGCGCCCGGGTCCCACGGGCCCCGACCCACAGCCGCGCTCCGAGAAGTTCTACAGCATGGC
 CGCCAGATTAAGCTGCTGCTGGAGATCCCGGAGAAGATCTGGAGCGCCATGGAAGCCTCGCAGCACCTC
 CAGGCCACACAGCTCTACCTGCTGCTGCCACCTGCATAGCCTGCTGCAGCTGGACTCCTCTAACTCCA
 GATACAGCCCCATCCTCTCGAGATTTCCAATCCTCATCCGCCAGGTGGCAGCAGCCAGCCACTTCCGGTC
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 GAAAGGGCATCGGTGCCCTCAAAGGGGAGATGAAGCTATGCAGCTGGTTCAGACACTGCCACCTCCAT
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 CGCAGTCTCTTATGGCCAGACTCTGCCAGTCTCTGGGAGAGCTGTGCCCTCACCTAAAGCAGTGTGT
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 GAGCTCAGGATGTCTCCCGCGCAGGCCAGTGGCAGGGAGTGAAGGAAGTCTGCTCCAACAGAGCGT
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 AAGGGGCAATTTCAATGACCCAGAACCGAGCCCTGCAGTCTCTACGACCTACGCTACCTCACCATGGT
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 GAGCAGCACTTCAACTCCAGGAGCCCCATAACATACTGCCGCTGGCCTCCAGTCCAGTCCAGTTCAGGTTGGA
 CTCCTTCCACTGAGCATGACAAGCACAAGAAAGGCGAGGGCAACCAGTAGAAGCGTTGAAACCAAGCCC
 AGGTTGGCCCCCGGCACTCTCCAGAGTAGGTGACCCGACGACGCATCCTGGCTCCTTATTCAGGCAGCT
 TGCAAGCGAGGAAGCAGACTCACCTGCACCTTATTATCAAGCTTGCCTGGCTCTCTAGTATGACCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211374 representing BC063056
 Red=Cloning site Green=Tags(s)

MAAATASSALKRDLRDPNALFETHGAEIEIRGLERQVRAEIEHKKEELRQMVGERYRDLIEAADTIGQMR
 RCAEGLVDAVQATDQYCARLRQAGSVAPRVPRAPQPQPSEKFYSMAAQIKLLLEIPEKIWSAMEASQHL
 QATQLYLLCCHLHSLQLDSSNSRYSPIISRFPILIRQVAAASHFRSTILHESKMLLKCCQAVSDQAVAEA
 LCSIMLLEESSPRQALDFLLARKATIQTLNQSHHGAGIKAQICSLVELLATTLNQAHALFYTLPEGVL
 PDPSPPCGLLFSTLETVTRQHPTGKGIGALQGEMKLCSWFRHLPTSIIEFQPTLRTLAHPISQEYLKDTL
 QKWIDMCNEDIKNGIGNLLMYVKSMKGLAGIRDAIWDL LSNESASHSWEVVCQRLLLEKPLLFWEDLMQQL
 FLDRLQTLTREGFESISNSSKELLVSALQELETNNSTSNKHVHFEQNMSFFLWSESPNDLPSDAAWVSV
 NRAQFASSGLSMKAQAI SPCVQNFCSALDSKLVKLDL LAYLPSSDTPLLKDTTPHQPKNSAFDRYAD
 AGTVQDMLRTQSVACIKSVVGCIAELCTIEEVTREQKDVHLHSTKLHAVLFMARL CQSLGELCPHLKQCV
 VGQCGGSEKPARARALKKQKGRAQDVLPAQAQWQGVKVELLQQSVMAYRVWSTALVKFLICGFTRSL
 LRDAGSVLATATNWELEIQEETESGSSVTSKIRLPTQPSWYVQSFLFSLCQEVNRVGGHALPKVTLQEM
 LKTCMAQVIAAYEQLTEENQIKKEGAFPMQNRALQLLYDLRYLTMVLSSKGEEVKSGRSKADSRMEKMT
 ERLEALIDPFDLDVFTPHLNSNLNRLVQRTSVLFGVLTGTENQFASRSSTFNSQEPHNILPLASSQIRFG
 LLPLSMTSTRKARATRSVETQAQVGPALSRVGDPTTHPGSLFRQLASEEDDSPAPSLFKLAWLSSMTK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

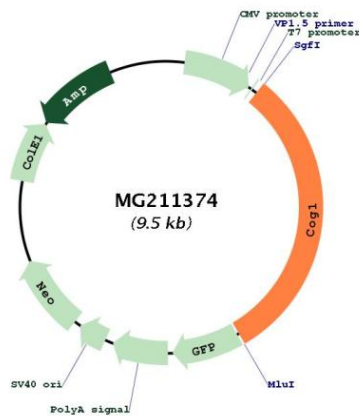


ACCN: BC063056

ORF Size: 2942 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:**
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:** [BC063056](#), [AAH63056](#)
- RefSeq Size:** 3042 bp
- RefSeq ORF:** 2942 bp
- Locus ID:** 16834
- Cytogenetics:** 11 E2
- Gene Summary:** Required for normal Golgi function.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG211374