

Product datasheet for **MC200999**

Cog2 (NM_029746) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cog2 (NM_029746) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cog2
Synonyms:	1190002B08Rik; 2700012E02Rik; C86089; Ldlc
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC011435 sequence for NM_029746
 CTGGGCTGCCGCTCCCTGCGGTCTTGGCCTTGAAGGCGCGCGCGCGTGTGGAGAAACGCAGGAT
 GAACCTGCCACGGGGCCGGACACGCTGTGCTTCGATAAGGACGAGTTTCATGAAGGAGGATTTTCATGTG
 GACCACTTTGTGTCTGACTGCAGGAAGCGGGTGCAGCTGGAGGAGCTGAGAGACGACCTGGAGCTGTATT
 ATAAGCTGCTGAAGACGGCCATGGTGGAGCTCATCAACAAGGACTACGCCGACTTTGTCAACCTCTCAAC
 AAACCTGGTTGGCATGGACAGAGCCCTCAACCACTTTCTGTGCCTTTGGGACAGTTACGAGAAGAGGTT
 CTGAGTCTTAGGTCCTCTGTCACTGAAGGAATTCGGCAGTAGATGAACGAATGTCTAAGCAAGAAGACA
 TTAGGAAGAAAAAGATGAGTGTGTTGAGACTTATACAAGTTATTTCGATCGGTTGAGAAAAATTGAGAAAAAT
 CTTAAACTCTCAAAGTTCTAAAGATGTATCTTCAACAAGAAGCAAGCAGCCCACTCTGACTGGACAGGTT
 TTGGAGAGAATTGCCACAGAGTTTAACCAAGCTTCAGTTTCATGCTGTGCAGAGCAAGGGCATGCCCTTT
 TGGACAAAGTGAGACCTCGTATAGCTGGCATCACAGCCATGTTGCAGCAGTCTCTGGAAGGCCTCTGCT
 GGAAGGTTTGCAGACCTCAGATGTGGACATCGTCCGGCACTGCCTGCGTACCTATGCCACCATTGATAAG
 ACACAGGATGCAGAAGCTCTGGTGGGCAAGTCTGGTGAAGCCGTATGTCAATGAGGTGATCGTCGAGC
 AGTTCGTTGAGTCTACCCCACTGGCCTTCAGCTCATGTACAACAAGCTTCTGGAATTTGTCCTCACCA
 CTGCCGCTTCTCCGGGAAGTCACAGGAGGAGCTGTGTCAAGTGAGAAAGGCACTATCGTTCCTGGCTAT
 GATTTCTTGGTGAATTCTGTGTGCCAGAAATAGTTCGAGGCCTAGAGGAAAAGCTACCCCTCACTTTCA
 ACCCTGGGGACCCAGACGCTTTCAACGAAATACACTGTGAGCATGGACTTTGTGCAGAGGTTTGAAGCG
 GCAGTGTGGATCCAGGCCAGCGTAAAGCGACTTCGAGCACACCTGCCTATCACAACTTCAGCAATAAG
 TGGAACCTGCCTGTTTACTTTAGATAAGGTTCCGAGAAGTGGCAGGATCCCTGGAAGCAGCCCTCACAG
 ACGGGCTCGAGGACGCCCCAGCTGGAAGTCCGTATTGCCTTTTGGCTTCTACAGAACATGGATCAGCCT
 GGGCAATGCTGGTCCGATGAGATGTTCTACCTTTGTTGGCACACCGTCTGTGGAGGCTCACGTCGAG
 ATTCTGGCCAGATTCTCTGTGTTTGTCACTGAGCTTTCTGTGAGGCCGTTTCTAATGAGAGTGCCAAGG
 AGACTAAAAAGCCTTTGACTGGCAGCAAAAGACCTTCGGAAGACCAAGGAAGCCATGCTTCAGAAGCAAG
 CGCCGCTCCATTCTAGCACTCAGCTGGTGTATGTGGTCTCAGACCTGGGCAGGATGGCTT
 CCAGACCTCCTGGAGACGGTCAAGCAGAACTCGAAATGATTGGCTTTAAGAATTTTTCGTCTATCTCAG
 CGGCCCTGGAAGACTCCAGAGTGCCTTGTCTGCCATGTGCCGCTCTGAGCAGCAGGATTGTCCAGGA
 CCTGAGTGAGTCTTGCTTCAGTTATCTCAAGAGTGCCCTGGAGGTCCCAAGCTTTACCGCAGGACCAAT
 AAGGAGGTCCCAAGCACAGCCTCTTCATATGTAGACAGTGCAGTGAAGCCACTGTACCAGCTTCAGAGTG
 GACATGGGACAAAGGTGCAGCCAGCAGTGTGCAGAGCTGGCTGCAGGAAGCTCTGTGCGACAGCACACA
 CAGGTACTTTGAGACTGTGTGAGACGTGCTGAAGTCAAGTGAAGAAGATGGAGGAAAGCCTGAAGCGCCTC
 AAACAAGCCAGGAGATCCCAAGCCACCAACCTGTGAGTCCAGCGGCGGTGGTATGAGTGATGACGACA
 AGATCCGACTGCAGCTGGCCCTGGACGTGGAGCACCTGGGAGAACAGATACAAAGGATGGCTTGCAGAC
 CAGCGACATCAAGAGCTTCCAGCCCTCATGGAGCTCATCCTTGTGCCAGGGACCAAGCGGCTGCAGAA
 CAGCCCTAGGCATCCTGGCAGGACCTGGAGTAGGGAAGAAAGCAACCTTGTCTCCGGGTACCCAGCA
 ACAGCCTGTACCTCCGCCCACTTATATGGGCCATCTTTCACCAAGAAAGAACCAAAAGCCTTTCCATTGT
 ATGGAAGATAGTTTTTAAGACATTCAAAGCTTTTTGCTCTAGTTTACAGAACAAATTGTTTTATTTTAT
 TGTAATCTTAGTGTAGACCAGCTGATGTCTACAATATGGTAAAAGTAAATCGACAAGTGTGGCTGGTGG
 GCTGTCTGGCCCTGCAGGGCAAGCACTGGGCAGGATGCACCAATACAGAGTAGAACTTTGATTGTCCCC
 AACCTCCGACCTGGGAGATACTGTGAGCCCTGGGCCTCCTTAGAGGCTACAAAGTGGCCGCTCCATCTG
 GGCACAGAAGAGTAGCACTTCCAATCTTGCCAATCCGCACCTCTGTGAGGCCAGAGCCGGCAGTAAAGA
 TTCATTTCTAAATAAAAGAAGTACCTACTGCAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_029746

Insert Size: 2196 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).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC011435</u> , <u>AAH11435</u>
RefSeq Size:	2780 bp
RefSeq ORF:	2196 bp
Locus ID:	76332
UniProt ID:	<u>Q921L5</u>
Cytogenetics:	8 E2
Gene Summary:	Required for normal Golgi morphology and function.[UniProtKB/Swiss-Prot Function]