

## Product datasheet for MC222942

### Cog1 (NM\_013581) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cog1 (NM_013581) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cog1
Synonyms:	6030445115; Ldlb; mKIAA1381
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC222942 representing NM_013581 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCCGCGACCGCCTCTCCGCGCTCAAGCGGCTGGATCTGCGCGATCCCAACGCGCTTTCGAGA  
CTCATGGAGCGGAGGAGATCCGCGGGCTGGAGCGCCAGGTCGAGCCGAGATCGAACACAAGAAGGAGGA  
GCTGCGGCAGATGGTGGGCGAGCGGTACCGCGACCTGATCGAGGCGCGGACACCATCGGCCAGATGCGC  
CGCTGCGCCGAGGGCCTGGTGGACGCCGTGCAGGCCACCGATCAATACTGCGCCCGCTCCGCCAGGCCG  
GCTCCGTGGCGCCCGGGTCCCACGGGCCCGCAGCCACAGCCGCGTCCGAGAAGTTCTACAGCATGGC  
CGCCAGATTAAGCTGCTGCTGGAGATCCCGGAGAAGATCTGGAGCGCCATGGAAGCCTCGCAGCACCTC  
CAGGCCACACAGCTCTACCTGCTGCTGCCACCTGCATAGCCTGCTGCAGCTGGACTCCTCTAACTCCA  
GATACAGCCCATCCTCTCGAGATTTCCAACTCATCCGCCAGGTGGCAGCAGCCAGCCACTTCCGGTCC  
AACTATTTTGCACGAAAGCAAGATGCTGCTCAAATGCCAGGCTGTGTCCGACCAGGCTGTGGCCGAAGCC  
CTCTGCTCCATAATGCTCTTGGAGGAGAGCTCTCCGCGCCAAGCCCTCACAGACTTCTGCTGGCCAGAA  
AGGCGACTATTCAGACGCTCCTGAACAGTCTCATCACGGTGTGGCATCAAGGCCAGATTTGCTCTTT  
GGTGGAGCTGCTGGCTACCACTCTGAACCAGGCACATGCCCTTTTCTACACCCTACCAGAAGGCGTGCTG  
CCCGACCATCCCTGCCCTGTGGCTTCTTTTCTACCCTGGAGACAGTCACAAGCCAGCATCCCCTG  
GAAAGGGCATCGGTGCCCTCCAAGGGGAGATGAAGCTATGCAGCTGGTTACAGACCTGCCACCTCCAT  
TATCGAGTTCCAGCCACACTCCGAACCTCTCGCACATCCCATCAGCCAGGAGTACCTGAAAGACACGCTG  
CAGAAATGGATCGACATGTGCAATGAAGACATTAATAATGGGATCGGCAATCTGCTTATGTACGTGAAGA  
GCATGAAGGGTCTGGCAGGCATCAGAGACGCCATATGGGATTTGCTTAGCAACGAGTCTGCCAGCCACAG  
CTGGGAGGTGGTGTGTCAGCGGCTTCTGGAGAAGCCGCTCTTGTCTGGGAGGACCTGATGCAGCAGCTC  
TTCCTGGATCGGTTACAGACACTGACCAGAGAAGGCTTTGAATCCATCTCCAACAGCTCCAAGAGCTTC  
TAGTCTCAGCTCTGCAGGAGCTGGAGACCAACAACCTCCACATCGAACAAGCATGTCCACTTTGAGCAGAA  
CATGTCTTTCTCTCTGCTCCGAGAGCCCAACGACCTGCCTTCTGATGCTGCCTGGGTACGCGTAGCA



[View online »](#)

AACCGGGCTCAGTTTGCCAGTAGTGGCCTCTCCATGAAAGCCCAAGCCATTAGCCCGTGTGTCCAGAACT  
TCTGTTCTGCCCTGGATTCTAAGCTGAAGGTTAACTGGACGACCTCTGGCCTACCTTCCCTCCAGTGA  
CACACCATTGCTCAAGGATACCACCCCAACGCACCAGCCTAAGAACTCTGCCTTTGATCGATACGCAGAT  
GCTGGGACCGTGCAGGACATGCTGCGTACGCAGTCCGTGGCCTGCATCAAGTCCGTGGGGCTGCATCC  
AGGCAGAGCTGTGCACCATTGAAGAAGTACACGGGAACAAAAGGATGTCCTTACAGCACCAGCTGCA  
CGCAGTCTCTTATGGCCAGACTCTGCCAGTCTCTGGGAGAGCTGTGCCCTCACCTAAAGCAGTGTGTT  
GTGGGACAGTGGGGGGTTCTGAGAACTGCCAGGGAGGCGAGGGCTCTGAAAAAGCAGGGGAAGGGGA  
GAGCTCAGGATGCTCTCCCGCGCAGGCCAGTGGCAGGGAGTGAAGGAAGTCTGCTCCAACAGAGCGT  
CATGGCCTACCGGTCTGGAGCACAGCACTTGTGAAATTTCTGATTTGTGGATTCACTCGATCACTGCTT  
CTCAGGGATGCCGGCTCAGTCTGGCCACTGCCACCAATTGGGATGAACTAGAAATTCAGAGGAGACAG  
AGTCTGGCAGCAGTGTACGTCTAAGATCCGCCTCCCTACTCAGCCCTCCTGGTATGTACAGTCTTCT  
GTTTAGCTTATGCCAGGAAGTTAATCGGGTTGGAGGCCATGCTTTGCCAAAGTCAACCTACAGGAGATG  
CTGAAGACCTGCATGGCCAAGTCATAGCTGCCTATGAGCAACTCACAGAGGAAAACCAGATAAAGAAAG  
AAGGGCATTTCATGACCCAGAACCCAGCCCTGCAGTCTCTACGACCTACGCTACCTACCATGGT  
TCTGAGCAGCAAGGGGGAGGAGTGAAGAGTGGCCGGAGCAAGGCAGACTCCAGAATGGAGAAGATGACC  
GAGAGGCTGGAGGCCCTATTGACCTTTTGACCTGGATGCTTACACCCGCATCTCAACAGCAACCTCA  
ACCGCCTGGTGCAGCGGACTTCAGTTCTATTTGGCTTGGTTACAGGCACAGAGAATCAGTTTGCCTCCCG  
GAGCAGCACTTTCAACTCCCAGGAGCCCATAACTACTGCCGCTGGCCTCCAGTCAGATCAGGTTTGG  
CTCCTTCCACTGAGCATGACAAGCACAAGAAAGGGCAGGGCAACCAGTAGAAGCGTTGAAACCCAAGCCC  
AGGTTGGCCCCCGGCACTCTCCAGAGTAGGTGACCCGACGACGCATCCTGGCTCCTTATTCAGGCAGCT  
TGCAAGCGAGGAAGACGACTCACCTGCACCTTCATTATTCAAGCTTGCCTGGCTCTCTAGTATGACCAAG  
TAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_013581
- Insert Size:** 2943 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.
- RefSeq:** [NM\\_013581.3](#), [NP\\_038609.3](#)
- RefSeq Size:** 3060 bp
- RefSeq ORF:** 2943 bp

Locus ID: 16834  
UniProt ID: [Q9Z160](#)  
Cytogenetics: 11 E2  
Gene Summary: Required for normal Golgi function.[UniProtKB/Swiss-Prot Function]