

Product datasheet for **RN207945**

Cog1 (NM_001107062) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cog1 (NM_001107062) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cog1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN207945 representing NM_001107062

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGGCTACCGCCTCCTCCGCGTGAAGCGGCTGGATTTGCGCGATCCCAACGACTCTTTGAGA
 CTATGGAGCGGAGAAATCCGCGGGCTGGAGCGCCAGGTTTCGAGCCGAGATCGAGCACAAGAAGGAGGA
 GCTGCGGCAGATGGTGGGCGAGCGGTACCGCGACCTAATCGAGGCGGCGACACCATTGGCCAGATGCGC
 CGCTGCGCGGAGGGGCTGGTGGACGCCGTGCAGGCCACCGATCAATACTGTGCCCGCTCCGCCAGGCTG
 GCTCCGCGGGCTCCCGGGTCCCACGGGCCCCGAGCCACATCCCCGTCCGAGAAGTTCTACAGCATGGC
 CGCCAGATTAAGCTGCTGCTGGAGATCCAGAGAAGATCTGGAGCTGCATGGAAGCCTCTCAGCACCTC
 CAGGCCACACAGCTCTACCTGCTGTGCTGCCACCTGCATAGCCTGCTGCAGCTGGACTCCTCTAGCTCCA
 GATACAGCCCCATCCTCTCGAGATTTCCATACTCGTCCGCCAGGTGGCAGCAGCCAGCCACTTCCGGTC
 AACTATTTTGCAGAAAGCAAGATGCTGCTCAAGTGCCAGGCTGTGTCGACCAGGCTGTGGCTGAGGCT
 CTCTGCTCCATAATGCTCTTGGAGGAGAGCTCTCCCCGGCAAGCCCTCACAGACTTCTGTGGCCAGAA
 AGGCAACTATTACAGACTCCTGAACCAGCCTCATCACGGTGTGGCATCAAGGCCAGATATGCTCTTT
 GGTGGAGCTGCTGGTACCACTCTGAACCAAGCACATGCCCTTTTCTACACGCTGCCAGAAGGTGTGCTA
 CCCGACCCCTCCCTGCCCTGTGGCTTGCTTTCTACCTGGAGACGGTCAAGGCAGCATCCCCTG
 GAAAGGGCATCAGTGCCTACAAGGGGAGATGAAGCTGTGCAGCTGGTTCAGACACTGCCAGCCTCCGT
 TACCGAGTTCAGCCAGCACTGCGAACCTCGCACATCCATCAGCCAGGAGTACCTGAAGGGCACGCTG
 CGAAGTGGATCGACATGTGCAGTGAAGACATTAATAATGGGATCGGCAATCTGCTTATGTACGTGAAGA
 GCATGAAAGGCTGGCAGGCATCAGAGCGCCATATGGGATTTGCTTACCAACAGTCTGCCAGCCACAG
 CTGGGAGGTGGTGTGTCAGCGGCTTCTGGAGAAGCCGCTTGTGCTGGGAGGACCTGATGCAGCAGCTC
 TTCTGGATCGGTTACAGACGCTGACCAGAGAAGGCTTTGACTCCATCTCCAGCAGCTCCAAAGAGCTCC
 TAGTCTCAGCTTTCAGGAACTGGAGGCCAACTCCACATCGAATAAGCATGTCCACTTTGAGCAGAA
 CATGTCTCTACCTCTGGTCCGAGAGCCCAACGACCTGCCTTCTGATGCTGCCTGGGTGAGCGTAGCA
 AATCGGGCTCAGTTTCCAAACAGTGGCCTCTCCATGAAAGCCCAAGCAATCAGCCCTTGTGTCCAGAACT
 TCTGTTCCGCCCTGGATTGCAAGCTGAAGGTTAACTGGACGACCTCCTCGCCTACCTCCCTCCAGTGA
 CACCCATTGCTCAAGGACACCACCCACACACCAGGCAAAGACCTCCGCGTTTGATAGGTATGCAGAC
 GCTGGGACTGTGCAGGACATGCTGCGCACACAGTCCGTGGCCTGCATCAAGTCCGTTGTGGGCTGCATCC
 AGGCAGAGCTTCGAGTCATTGAAGAAGTACACAAAGACCAAAAGGATGTCCTTACAGCACCAGCTGCA
 TGCAAGTCTCTTATGGCCAGACTCTGCCAGTCCCTGGGAGAAGTGTGCCCTCACCTAAAGCAGTGTATT
 GTGGGAAAGTGTGGGGGTTCCGAAAAGCCTGCAAGGGAGGTGAGGGCTCTGAAAAAGCAGGGAAAGGGGA
 AAGCTCAAGATGTCTCCCGTGCAGGCCAGTGGCAGGAAGTGAAGGAAGTCTGCTCCAGCAGAGCGT
 GATGGCTACCGGGTCTGGAGCGCAGCACTCGTGAAGTTCTCATTTGTGGATTACCCAATCATTGCTT
 TTAAGTGATGCTGGTTCAGTCTGGCTACTGCCACCAGTTGGGATGAACTAGAAATTCAGAGGAGACAG
 AGTCTGGTAGCAGTGTACATCAAAGATCCGCTCCCCACGACCGCTCCTGGTACGTACAGTCTTCTCT
 GTTCAGCTTATGCCAGGAAGTTAATCGGTTGGAGGCCATGCCTTGCCAAAGATTACCCTACAGGAGATG
 CTGAAGACCTGCATGGCCCAAGTATCGCGCCTATGAGCAGCTCACAGAGGAAAACAGATAAAGAAAG
 AAGGGACATTTCAATGACCCAGAACCGAGCCCTGCAGCTCCTCTATGACCTACGCTACCTCAACATTGT
 TCTGACCAGCAAGGGGAGGAGGTGAAGAGCAGCCGAGCAAGTCCGACTCCAGAATAGAGAAGATGGCT
 GACAGGCTGGAGGCCCTCATTGACCCTTTGACCTGGATGTTTTACACCCGATCTCAACAGCAACCTCA
 ATCGCCTGGTGCAGGAACTTCACTTCTATTTGGGTTGGTACTGGTACAGAGAATCAGTTCGCCTCCCG
 GAGCAGCAGTTCAACTCCAGGAACCCATAACATACTGCCACTGGCCTCCAGTCCAGTACAGTTCAGGTTGGA
 CTCCTTCCACTGAGCATGACAAGCACAAGAAAGGCCAGGGCAACCGGTCGGGGCATGAAAGCCAAACCC
 AGGTTGGCCCCCGGCACTCTCCAGAGTAGGTGACCCAACGGCGCATCCTGGCTCTCTATTACAGACAGCT
 TGCAAGTGAGGAAGACGGCTCACCTGCACCTTCTATTGTTCAAGCTCGCCTGGCTCTCTAGTATGACCAAG
 TAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001107062
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:	<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_001107062.2</u> , <u>NP_001100532.2</u>
RefSeq Size:	2994 bp
RefSeq ORF:	2943 bp
Locus ID:	303652
Cytogenetics:	10q32.1