

## Product datasheet for **RN204807**

### **Cog4 (NM\_001108449) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cog4 (NM_001108449) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cog4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN204807 representing NM\_001108449  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGATGTGGAATCCCTCCGAAGTTGTCAGGAGCGCTCCACCACCTGAGGGGTGGGAGGAGTCTC  
 ACTGCTCCGAAATCTCCACCGAGCTCATTGCTCTCTGACAGAGCTGCAGGAGCTGGAAGCTGTGTACGA  
 ACGACTCTGCGGCGAAGAGAAAGTGGTGGAGAAAGAGCTGGATGCTCTTTTGAACAGCAAAACACCATT  
 GAAAGTAAGATGGTCACTCTCCACAGGATGGGTCCCAACCTGCAGTTGATTGAGGGAGATGCAAAGCAAC  
 TGGCTGGGATGATCACCTTTACCTGCAACCTAGCTGAAAATGTGTCCAGCAAAGTCCGTCAGCTTGACCT  
 GGCCAAGAACCGCTCTATCAGGCCATTCAGAGAGCAGATGACATCTTGACCTGAAGTTCTGCATGGAT  
 GGAGTTCAAACCTGCTTTGAGGAGTGAAGATTATGAGCAGGCTGCAGCCACATTCATCGTTACTTGTGCC  
 TGGACAAGTCTGTATAGAGCTCAGTCGACAAGGCAAAGAAGGAAGCATGATTGATGCCAACCTGAAATT  
 ACTGCAGGAAGCTGAGCAAACGTCTTAAAGCCATAGTAGCAGAGAAGTTTGTCTGCTGCTACCAAAGAAGGG  
 GATTTGCCCCAGGTGGAGCGATTCTTCAAGATCTTCCACTGCTGGGTTTACATGAGGATGGACTGAGCA  
 AGTTCTCGGAATACCTGTGCAAACAGGTGGCCAGTAAGGCTGAAGAGAATCTGCTCTTGGTGTGGGATC  
 AGACATGAGTGTGCAAGAGCTGCAGTCACTTTGCGGACACTCTCACTCTCTCTTTGAAGGGATTGCC  
 CGAATTGTGGAACCCACCAACCCATAGTGGAGACTTACTATGGGCCAGGGCGACTCTTTACCCTGATCA  
 AATATCTTCAAGTAGAATGTGACACGCAGGTAGAGAAGGTGGTAAACAAGTTCATCAAGCAAAGGGACTA  
 CCACCAGCAGTTCCGGCTTGTCCAGAGTAACTTGATGAGAAAATCTGCAACAGAAAAAATGAACCAAGG  
 GAGCTGGACCCCGTCTTGACTGAGGTTACCCTGATGAATGCTCGAAGTGAATTGACTTACGCTTCTCTTA  
 GGAAGAGGATCAGTGCAGATTTTGAAGTGGGGGACTCCATGGCTTCAGAAGAAGTAAAGCAAGAGCACCA  
 GAAGTGCCTGGACAAACTCCTCAATAACTGCCTATTGAGCTGTACCATGCAGGAGCTAGTTGGCTTCTAT  
 ATTACCATGGAGGAGTACTTTCATGAGAGAGACTGTCAATAAGGCTGTGGCTCTGGATACCTATGAGAAGG  
 GCCAGTTGACATCCAGCATGGTGGATGATGTCTTTTACATTGTTAAAAAGTGCATTGGGCGTGCTGTGTC  
 CAGCTCTAACATCGACTGTCTGTGCCATGATCAACCTTGAACCCAGAGAGCTGGAAGCTGACTTCAGG  
 GATGTTCTATGTAATAAGCTAAGAATGGGCTTCCAGCCACCACCTTACAGGACATCCAGCGTGGGGTGA  
 CGAGTGCCGTGAACATCATGCACAGCAGCCTCCAGCAAGGCAAGTTTACACCAAAGGCATCGAGAGCAC  
 TGATGAAGCCAAGCTGCTCTTCTGGTACTCTGAATAATGTGGAAGTCTGCAGTGAACAATCTCAACT  
 CTGAAGAAGACTCTGGAGAGTACTGCACCAAGCTCTTCAAGTCAAGGCTTGGAGGGGAACAGGCCCAGG  
 CCAAGTTTACAGCTGCCTTTCTGACTTAGCTGCTGTGTCCAACAAATTCGAGACCTCTTGCAGGAAGG  
 GTTGGCGGAGCTCAACAGTTCAGCAGTCAAGCCGAGGTGCAACCTTGGATCAACACTTTTCTCTCAGTC  
 TCACACAGCATCGAGGAGGAAGAATTCAACGACTATGAGGCCAATGACCCCTGGGTACAGCAGTTTATCC  
 TCAGCCTAGAACAGCAGATGGCAGAGTTCAAGGCCAGCCTGTCCCGGTGATCTATGACAGCCTAACTGG  
 CCTCATGACCAGCCTTGTGCTGTTGAACTGGAAAAAGTGGTTCTGAAATCCACCTTCAACAGGCTAGGT  
 GGTCTGCAGTTTGACAAGGAACTCCGGTCACTATTGCTTACCTTACCCTGTGACCACCTGGACCATCC  
 GAGACAAGTTCCGCCGGCTCTCCAGATGGCTACAATCCTTAATCTAGAGCGGGTACCGAGATACTAGA  
 TTAGTGGGGTGTAACTCTGGCCCTTTGACATGGCGCCTCACCCCTGCTGAAGTGGCAGAGTACTGGCT  
 CTGCGCATAGACTTCCGCAATGAGGACATCAAGAGGCTGCGCCTG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001108449  
**Insert Size:** 2358 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001108449.1</a></u> , <u><a href="#">NP_001101919.1</a></u>
<b>RefSeq Size:</b>	2773 bp
<b>RefSeq ORF:</b>	2358 bp
<b>Locus ID:</b>	361407
<b>Cytogenetics:</b>	19q12