

Product datasheet for **RR204807**

Cog4 (NM_001108449) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide
Sequence:

>RR204807 representing NM_001108449
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCGGATGTGGAATCCCTCCGAAGTTGTCTCAGGAGCGCTCCACCACCTGAGGGGTGGGAGGAGGTC
ACTGCTCCGAAATCTCCACCGAGCTCATTGCTCTCTGACAGAGCTGCAGGAGCTGGAAGCTGTGTACGA
ACGACTCTGCGCGAAGAGAAAGTGGTGGAGAAAGAGCTGGATGCTCTTTTGAACAGCAAAACACCATT
GAAAGTAAGATGGTCACTCTCCACAGGATGGGTCCCAACCTGCAGTTGATTGAGGGAGATGCAAAGCAAC
TGGCTGGGATGATCACCTTTACCTGCAACCTAGCTGAAAATGTGTCCAGCAAAGTCCGTCAGCTTGACCT
GGCCAAGAACCGCTCTATCAGGCCATTCAGAGAGCAGATGACATCTGGACCTGAAGTTCTGCATGGAT
GGAGTTCAAACCTGCTTTGAGGAGTGAAGATTATGAGCAGGCTGCAGCCACATTCATCGTTACTTGTGCC
TGGACAAGTCTGTATAGAGCTCAGTCGACAAGGCAAAGAAGGAAGCATGATTGATGCCAACCTGAAATT
ACTGCAGGAAGCTGAGCAACGTCTTAAAGCCATAGTAGCAGAGAAGTTTGTCTGCTCTACCAAAGAAGGG
GATTTGCCCCAGGTGGAGCGATTCTTCAAGATCTTCCACTGCTGGGTTTACATGAGGATGGACTGAGCA
AGTTCTCGGAATACCTGTGCAAACAGGTGGCCAGTAAGGCTGAAGAGAATCTGCTCTTGGTGTGGGATC
AGACATGAGTGATCGAAGAGCTGCAGTCATCTTTGCGGACACTCTCACTCTCTCTTTGAAGGGATTGCC
CGAATTGTGGAACCCACCAACCCATAGTGGAGACTTACTATGGGCCAGGGCGACTCTTTACCCTGATCA
AATATCTTCAAGTAGAATGTGACACGCAGGTAGAGAAGGTGGTAAACAAGTTCATCAAGCAAAGGGACTA
CCACCAGCAGTTCCGGCTTGTCCAGAGTAACTTGATGAGAAAATCTGCAACAGAAAAAATGAACCAAGG
GAGCTGGACCCCGTCTTGACTGAGGTTACCCTGATGAATGCTCGAAGTGAATTGACTTACGCTTCTCTTA
GGAAGAGGATCAGTGCAGATTTTGAAGTGGGGACTCCATGGCTTCAGAAGAAGTAAAGCAAGAGCACCA
GAAGTGCCTGGACAACTCCTCAATAACTGCCTATTGAGCTGTACCATGCAGGAGCTAGTTGGCTTCTAT
ATTACCATGGAGGAGTACTTTCATGAGAGAGACTGTCAATAAGGCTGTGGCTCTGGATACCTATGAGAAGG
GCCAGTTGACATCCAGCATGGTGGATGATGTCTTTTACATTGTTAAAAAGTGCATTGGGCGTGCTGTGTC
CAGCTCTAACATCGACTGTCTGTGCCATGATCAACCTTGAACCAGAGAGCTGGAAGCTGACTTCAGG
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CGAGTGCCGTGAACATCATGCACAGCAGCCTCCAGCAAGGCAAGTTTACACCAAAGGCATCGAGAGCAC
TGATGAAGCCAAGCTGTCCTTCCCTGGTACTCTGAATAATGTGGAAGTCTGCAGTGAGAATCTCAACT
CTGAAGAAGACTCTGGAGAGTACTGCACCAAGCTCTTCAAGTCAAGGCTTGGAGGGGAACAGGCCAGG
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GTTGGCGGAGCTCAACAGTTCAGCAGTCAAGCCGAGGTGCAACCTTGGATCAACACTTTTCTCTCAGTC
TCACACAGCATCGAGGAGGAAGAATTCAACGACTATGAGGCCAATGACCCCTGGGTACAGCAGTTTATCC
TCAGCCTAGAACAGCAGATGGCAGAGTTCAAGGCCAGCCTGTCCCGGTATCTATGACAGCCTAACTGG
CCTCATGACCAGCCTTGTGCTGTTGAACTGGAAAAAGTGGTTCTGAAATCCACCTTCAACAGGCTAGGT
GGTCTGCAGTTTGACAAGAACTCCGGTCACTATTGCTTACCTTACACTGTGACCACCTGGACCATCC
GAGACAAGTTCCCGGCTCTCCAGATGGCTACAATCCTTAATCTAGAGCGGGTGACCGAGATACTAGA
TTACTGGGGTGTAACTCTGGCCCTTTGACATGGCGCTCACCCCTGCTGAAGTGGCAGAGTACTGGCT
CTGCGCATAGACTCCGCAATGAGGACATCAAGAGGCTGCGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204807 representing NM_001108449
Red=Cloning site Green=Tags(s)

MADVESPPKLSGAPPPPEGVGGGHCSEISTELIRSLTELQLEAVYERLCGEEKVVEKELDALLEQQNTI
 ESKMVTLHRMGPNLQLIEGDAQLAGMITFTCNLAENVSSKVRQLDLAKNRYQAIQRADDILDLKFCMD
 GVQTALRSEDYEQAAAHIHRYLCLDKSVIELSRQKKEGSMIDANLKLLQEAEQRLKAIVAEKFAAATKEG
 DLPQVERFFKIFPLLGLHEDGLSKFSEYLCKQVASKAEENLLLVLGSDMSDRRAAVIFADTLTLFEGIA
 RIVETHQPIVETYYPGRFLTLLIKYLQVECDTQVEKVVNKFQKQRDYHQFRLVQSNLMRNSATEKIEPR
 ELDPVLTEVTLMNARSELYLRLRKRISADFEVGDMSASEEVKQEHQKCLDKLLNNCLLSCTMQELVGFY
 ITMEEYFMRETVNKAVALDITYEKGLTSSMVDDVFYIVKKCIGRALSSSNIDCLCAMLNATRELEADFR
 DVLCKNLRMGFPATTLQDIQRGVTSAVNIHSSLQGGKFDTKGIESTDEAKLSFLVTLNNVEVCSENI
 LKKTLESDCTKLSQIGIGGEQAQAKFDSCLSDLAASVSNKFRDLLQEGLAELNSSAVKPVQVQPWINTFLSV
 SHSIEEEEFNDYEANDPWVQQFILSLEQQMAEFKASLSPVIYDSL TGLMTSLVAVELEKVV LKSTFNRLG
 GLQFDKELRSLIAYLTTVTWTIRDKFARLSQMATILNLERVTEILDYWGANSGLPTWRLTPAEVRQVLA
 LRIDFRNEDIKRLRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001108449

ORF Size: 2355 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: NM_001108449.1, NP_001101919.1

RefSeq Size: 2773 bp

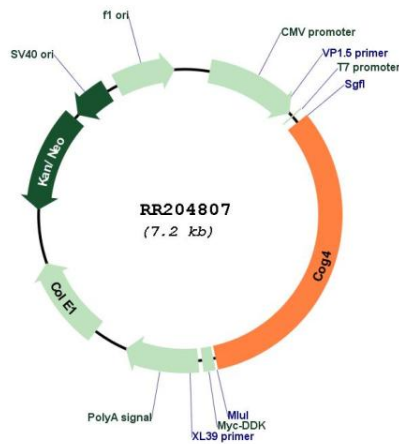
RefSeq ORF: 2358 bp

Locus ID: 361407

Cytogenetics: 19q12

MW: 88.6 kDa

Product images:



Circular map for RR204807