

Product datasheet for **MR209346**

Cog6 (NM_026225) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cog6 (NM_026225) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cog6
Synonyms:	4933405E16Rik; AU018618; mKIAA1134
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209346 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTGGAAGCTCTCAAGCCCTTTTCAGCCTTTTTGTTGAAAATAGTTTGGGACTCGAAGAAATTTAC
 GTGGTGATATTGAACGCAGAAGCTTAGCCATCAATGAGGAGTTTGTAAACATCTTCAAAGACGTGAAGGA
 GGAGCTTGAAAGCATCAATGAAGATGTACAGGCCATGAGCAGCTGTTGTGAGGATATGACAAGTCGCTTA
 CAGGCAGCAAAGAACAGACTCAAGATTTAATAGTAAAGACCACTAAGCTGCAAGCGGAAAAACAAAGAC
 TAGAGATTAGAGCACAGGTTGTGGATGCCTTTTTGGCCAAGTTCAGCTGACTTCGGATGAAATGAGTCT
 CCTCCGCGGTACAAGAGGAGGCCCGTTACTGAGGACTTTTTCAAGGCATTGGGAAGAGTGAAACAGATT
 CATAATGACGTCAAGGTTCTTTTGCGAACCAACCAGCAGACGGCAGGTTGGAGATTATGGAACAGATGG
 CCTTGCTTCAAGAACTGCTTATGAAAGACTTTACCGGTGGGCTCAAAGCGAGTGCAGAGCACTGACTCA
 AGAGTCTGTGATGTGTCTGCGGTGTTATCCCAGGCCATGGAAGCCCTGCAGGACAGGCCGTCTTATAC
 AAGTATACCTTAGATGAATTTGGAACGGCCGACGAAGCACTGTTGTTCTGTGGGTTATTGATGCTCTTA
 CAAGAGAAGGGCCAGGAGGTACACCTAGGCCATTGAAATGCACTCCCATGACCCGCTGAGGTATGTGGG
 AGACATGCTGGCATGGCTCCATCAAGCTACTGCCTCTGAGAAGGAACATCTGGAAGCTCTCTTAAAGCAT
 GTAAGTCTCAGGGTGTAAAGAAAATATCCAAGAAGTTGTTGGGCATATACCGAGGGTGTGTGTCGGC
 CTCTAAAGGTTCAAGTTGAACAAGTAATACTTGCTGAACCTGGGGCAGTGTGTTATATAAAATTTCTAA
 CCTCTCAAGTTTACCACCACCATCAGTGGCATCGTTGGAATAGTGCAGCTACTCTACTGACAACA
 ATTGAGGAAATGCACCTGCTAAGCAAAAAATCTTCTTCACTAGCTTGAATGCTCCATGCGAATAAACTGA
 TGGACAAGGTTGAGCTCCACCACCTGACCTGGGACCCAGCTGCCCCTGAGTCAGACCCCTACTTTTGTG
 CGGGGATATTCTGGCGTCGCATGATTCTTCAGTGTCCCCTTGGATGCTCGGCAGGCTGACTTTGTGCGAG
 GTTTTGCTGTGCCCTGGATCCTCCTCCAGATGTGTACAGTGTGAGCCAGCAATTTAGGCACAGCTG
 ACATGGCCACGTTTCAAGTCAACTCACTGTACATGATGAAGACAACCCTGGCTCTGTTTCAATTCACAGA
 CAGGCGCTAGAAATGCTTCAAGTTTCAAGTGAAGCCATCTGGACACTTATCAATGAGCAAGCCTCT
 TATGTTTTAACTAGAGTTGGCTTGAAGTACATCTACAACACTATACAGCAACATAGACCTGATCAGGGTT
 CTTTAGCCAATATGCCAACCTGGATGCTGTGGCGCTGAAGGCTGCAATGGCTCAGTTTGACCGCTACCT
 CTCAGCCCCAGACCCTCCTGATGCCACAGCTGAATTCCTTCTCAGTCCACAGTGAAGGAGCAGATT
 ATAAAGCAGTCTACAGAGCTCATCTGCAGAGCCTACGCGGAAGTGCATGCAGCCGTGATGAATCCAGACA
 ACGCATACAAAGATCCAGAGAACATCCTCATAGGTACCTGAGCAGGTGAAGACTGCTCTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209346 protein sequence
 Red=Cloning site Green=Tags(s)

MLEALKALSFAFFVENSRLRRNLRGDIERRSLAINEEFVNIKFDVKEELESINEDVQAMSSCCQDMTSRL
 QAAKEQTQDLIVKTTKLQAENQRLEIRAQVDAFLAKFQLTSDMSLLRGTGGPVTEDFFKALGRVKQI
 HNDVKVLLRTNQQTAGLEIMEQMALLQETAYERLYRWAQSECRALTEQESCDVSAVLSQAMEALQDRPVLY
 KYTLDEFGTARRSTVVRGFIDAL TREGPGGTPRPIEMHSHDPLRYVGDMLAWLHQATASEKEHLEALLKH
 VTAQGVKENIQEVVGHITGVCRPLKVRIEQVILAEPGAVLLYKISNLLKFYHHTISGIVGNSAATLLTT
 IEEMHLLSKKIFFTSLHANKLMDKVELPPPDLGPSSALSQTLTLLRDILASHDSSVVPLDARQADFVQ
 VLSCALDPLLQMCTVSASNLGTADMATFMVNSLYMMKTLALFEFTDRRLEMLQFQIEAHLDTLINEQAS
 YVLTRVGLSYIYNTIQQHRPDQGSANMPNLDAVALKAAMAQFDRYLSAPDHLLMPQLNSLLSATVKEQI
 IKQSTELICRAYAEVHAAVMNPDNAYKDPENILHRSPEQVKTLLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_026225

ORF Size: 1818 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_026225.2](#)

RefSeq Size: 2920 bp

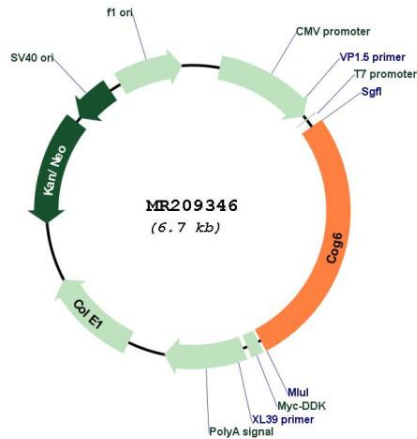
RefSeq ORF: 1974 bp

Locus ID: 67542

UniProt ID: [Q8R3I3](#)

Cytogenetics: 3 C
 MW: 67.9 kDa
 Gene Summary: Required for normal Golgi function.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209346