

Product datasheet for **RR212404**

Cog6 (NM_001004262) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cog6 (NM_001004262) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cog6
Synonyms:	MGC94990
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RR212404 representing NM_001004262
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGCTGACACCAGCGGGGAGGTGGCGCGGTCCCCGCCTCGGGGCCGCAATGGCCTCAGCAATGGGG
CTGGCGGACCCAGCGCAGCCCAACAACCCGCTGTCGCGCAAGCTGCACAAGATCCTGGAAACGCGGCT
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GTGATGAATCCAGTCAACCGGTACAAAGACCCGGAGAGCATCCTTACAGGTCACCCGAGCAGGTGAAGA
CGCTGCTCTCT

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212404 representing NM_001004262
 Red=Cloning site Green=Tags(s)

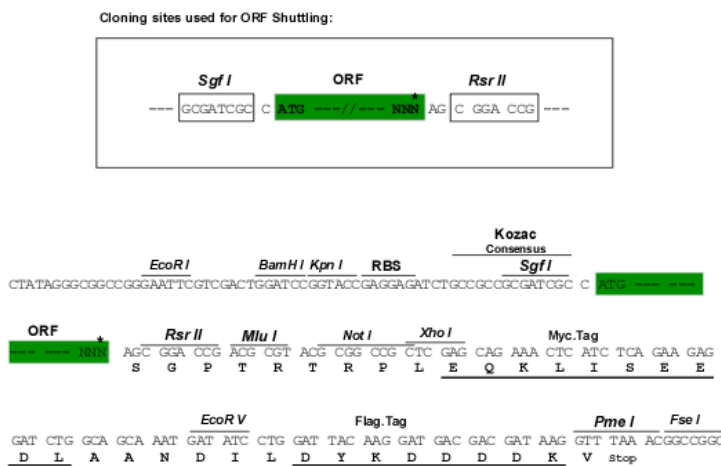
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 IMEQMALLQETAYERLYRWAQSECRALTQESCDVSAVL TQAMEALQDRPVLYKYTLDEFGTARRSTVVRG
 FIDALTRGGPGGTPRPIEMHSHDPLRYVGDMLAWLHQATASEKEHLEALLKHVTAQGVKENIQEVVGHIT
 EGVCRPLKVRIEQVILAEPGAVLLYKISNLLKFYHHTISGIVGNSAATLLTTIEEMHLLSKKIFFSSL
 HANKLMDKIELPPDLGPSSALSQTLTLLRDVLASHDSSVPLDARQADFVQVLSVLDPLLQMCTVSAS
 NLGTADMATFMVNSLYMMKTTLALFEFTDRRLEMLQFQIEAHLDTLINEQASYVLTRVGLSYIYNTIQQH
 RPDQGSLSAMPNLDVALKAAMAQFDRYLSAPDHLLMPQLNSLLSATVKEQIIKQSTELVCRAYGEVHAA
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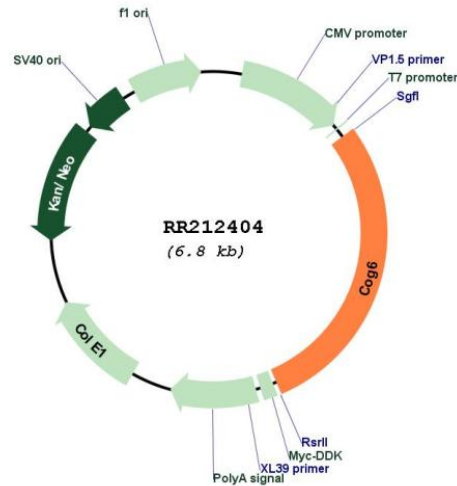
Restriction Sites:

Sgfl-RsrII

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001004262

ORF Size: 1971 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_001004262.1](#), [NP_001004262.1](#)

RefSeq Size: 2177 bp
RefSeq ORF: 1974 bp
Locus ID: 310411
UniProt ID: [Q68FP9](#)
Cytogenetics: 2q26
MW: 73 kDa
Gene Summary: Required for normal Golgi function.[UniProtKB/Swiss-Prot Function]