

Product datasheet for **MG209346**

Cog6 (NM_026225) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cog6 (NM_026225) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cog6
Synonyms:	4933405E16Rik; AU018618; mKIAA1134
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209346 representing NM_026225
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTGGAAGCTCTCAAGCCCTTTTCAGCCTTTTTGTTGAAAATAGTTTGGGACTCGAAGAAATTTAC
 GTGGTGATATTGAACGCAGAAGCTTAGCCATCAATGAGGAGTTTGTAAACATCTTCAAAGACGTGAAGGA
 GGAGCTTGAAAGCATCAATGAAGATGTACAGGCCATGAGCAGCTGTTGTGAGGATATGACAAGTCGCTTA
 CAGGCAGCAAAAGAACAGACTCAAGATTTAATAGTAAAGACCACTAAGCTGCAAGCGGAAAAACAAAGAC
 TAGAGATTAGAGCACAGGTTGTGGATGCCTTTTTGGCCAAGTTCAGCTGACTTCGGATGAAATGAGTCT
 CCTCCGCGGTACAAGAGGAGGCCCGTTACTGAGGACTTTTTCAAGGCATTGGGAAGAGTGAAACAGATT
 CATAATGACGTCAAGGTTCTTTTGCGAACCAACCAGCAGACGGCAGGTTGGAGATTATGGAACAGATGG
 CCTTGCTTCAAGAACTGCTTATGAAAGACTTTACCGGTGGGCTCAAAGCGAGTGCAGAGCACTGACTCA
 AGAGTCTGTGATGTGTCTGCGGTGTTATCCCAGGCCATGGAAGCCCTGCAGGACAGGCCGTCTTATAC
 AAGTATACCTTAGATGAATTTGGAACGGCCGACGAAGCACTGTTGTTCTGTGGGTTTATTGATGCTCTTA
 CAAGAGAAGGGCCAGGAGGTACACCTAGGCCATTGAAATGCACTCCCATGACCCGCTGAGGTATGTGGG
 AGACATGCTGGCATGGCTCCATCAAGCTACTGCCTCTGAGAAGGAACATCTGGAAGCTCTCTTAAAGCAT
 GTAAGTCTCAGGGTGTAAAGAAAATATCCAAGAAGTTGTTGGGCATATCACCGAGGGTGTGTGTCGGC
 CTCTAAAGGTTTCAATGAACAAGTAATACTTGTGAACTGGGGCAGTGTGTTATATAAAATTTCTAA
 CCTCCTCAAGTTTACCACCACCATCAGTGGCATCGTTGGAATAGTGCAGCTACTCTACTGACAACA
 ATTGAGGAAATGCACCTGCTAAGCAAAAAATCTTCTCACTAGCTTGTGAGTCTCCATGCGAATAAACTGA
 TGGCAAGGTTGAGCTCCACCACCTGACCTGGGACCCAGCTTGCCTGAGTGCAGACCCCACTTTGCT
 CGGGGATATTCTGGCGTCGCATGATTCTTCAGTGTCCCCTTGGATGCTCGGCAGGCTGACTTTGTGCAG
 GTTTTGCTGTGCCCTGGATCCTCCTCCAGATGTGTACAGTGTGAGCCAGCAATTTAGGCACAGCTG
 ACATGGCCACGTTTCACTCAACTCACTGTACATGATGAAGACAACCCTGGCTCTGTTTCAATTCACAGA
 CAGGCGCCTAGAAATGCTTCAAGTTTCAAGTTTCAAGTTTCAAGTTTCAAGTTTCAAGTTTCAAGTTTCAAG
 TATGTTTTAACTAGAGTTGGCTTGAAGTTGAGCTACATCTACAACACTATACAGCAACATAGACCTGATCAGGTT
 CTTTAGCCAATATGCCAACCTGGATGCTGTGGCGCTGAAGGCTGCAATGGCTCAGTTTGACCGCTACCT
 CTCAGCCCCAGACCCTCCTGATGCCACAGCTGAATTCCTTCTCAGTCCACAGTGAAGGAGCAGATT
 ATAAAGCAGTCTACAGAGCTCATCTGCAGAGCCTACGCGGAAGTGCATGCAGCCGTGATGAATCCAGACA
 ACGCATACAAAGATCCAGAGAACATCCTTCATAGGTCACCTGAGCAGGTGAAGACTGCTCTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209346 representing NM_026225
 Red=Cloning site Green=Tags(s)

MLEALKALSFAFFVENSRLRTRRNLRGDIERRSLAINEEFVNIKDVKEELESINEDVQAMSSCCQDMTSRL
 QAAKEQTQDLIVKTTKLQAENQRLEIRAQVDAFLAKFQLTSDMSLLRGTTRGGPVTEDFKALGRVKQI
 HNDVKVLLRTNQQTAGLEIMEQMALLQETAYERLYRWAQSECRALTQESCDVSAVL SQAMEALQDRPVLY
 KYTLDEFGTARRSTVVRGFIDAL TREGPGGTPRPIEMHSHDPLRYVGDMLAWLHQATASEKEHLEALLKH
 VTAQGVKENIQEVVGHITGVCRPLKVRIEQVILAEPGAVLLYKISNLLKFYHHTISGIVGNSAATLLTT
 IEEMHLLSKKIFFTSLSLHANKLMDKVELPPPDLGPSSAL SQTLLLRDILASHDSSVVPLDARQADFVQ
 VLSCALDPLLQMCTVSASNLGTADMATFMVNSLYMMKTTLLALFEFTDRRLEMLQFQIEAHLDTLINEQAS
 YVLTRVGLSYIYNTIQQHRPDQGLANMPNLDAVALKAAMAQFDRYLSAPDHLLMPQLNSLLSATVKEQI
 IKQSTELICRAYAEVHAAVMNPDNAYKDPENILHRSPEQVKTLLS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<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:	NM_026225.2
RefSeq Size:	2955 bp
RefSeq ORF:	1974 bp
Locus ID:	67542
UniProt ID:	Q8R3I3
Cytogenetics:	3 C
Gene Summary:	Required for normal Golgi function.[UniProtKB/Swiss-Prot Function]