

Product datasheet for **MR210813**

Cog3 (BC038030) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cog3 (BC038030) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cog3
Synonyms:	E430004N23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210813 representing BC038030
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCGGAGGCGCGGCCGAGCGGGACGCCCGCAGAGAAGCTGTCTCTCTGGGATGGGAGACCGGACTCGA
 TGGCGCCGCTGACAGACAGGCAGACGGACTCGGTGCTGGAGCTCAAGGCGCCGTGGAGAACCTGCCGGT
 GCGCGCCGAGCTCCCAATTGAAGATGTATGCAGCTTAGCATCCCAGTCGCTGCCATTGAGCTGACTGCT
 GTAGTGCCTGACTCTACAGAAGACATCCTGTTAAAGGGCTTCACTTCTTAGGAATGGAAGAAGAAAGGA
 TTGAGACTGCGCAGCAGTTTTTCTCATGGTTTGCAAACTGCAAACTCAGATGGATCAGGATGAAGGAAC
 TAAATATAGACAGATGAGGGATTACTTGTCTGGGTTTCAGGAACAGTGTGATGCTATACTGAATGATGTG
 AACAGTGTCTGCAGCATCTGGAGTCGTTGCAGAAACAGTATCTTTTGTGTCCAATAAGACAGGAACCTC
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 GAAGCTGTCTTATTTAATGAGTTGGAGACGATTAACACAAAATTGAATCCCTACGTTGTCTGTGAAT
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 CCTTGATCAGCGGGAGCTCCTTTTGGGCCCAAGTATTGCCTACACTGTCACAGAGTTAACCAGCCAGAAC
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 GTTGATGATGTGTTCCGCGCTTTGATCATCCATGTCATTCACTTAGAGACTTTATCGGAGCTCTGTGGG
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 GAGTAAAGCAGATGTTGGAAGATGTACAAGAGAGGCTTGTGTATCGAACCATATCTACATTGACAGCGGA
 CATCACAGGCTACAAACCAGCGCCTGGAGATCTGGCATATCCTGATAAGCTAGTCATGATGGAGCAAATC
 GCACAGAGTTTAAAGGATGAGCAGAAGAAGGCGCCTTCAGAAGCTTCTTTTCAGATGTACGGTTAGAAG
 AAGGAGAAGCCAGTGGTTTAAAGAAAGTCTGGTTCAACAGACTCCCTCAATCCTAGACCACAGACGACGAT
 CTCTCCAGCAGATCTTACGGGATGTGGTATCCCACAGTTCGAAGGACACTTGTCTGTCTCTCCAAATTA
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 TAAGAAGGACGTAGACCGGCACCTGAAGTCAGCCTGTGAGCAGTTCATTGAGCAGCAGACCAGGCTGTTT
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 AGTACACCCTCTCACAGCAGCCGTGGGCACAGCCAGCAAAAGTCAATGACCTCGTGGCCACTGCCTACAA
 GACAATAAAGACGAAGCTGCCGCTGACACTGAGAAGCATGGCTTTGTATTTGTCCAATAAGGACACGGAG
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 AAGAGTTCAGTTCTGAAGACATCCAATCATTGCTTGTCTTCCATGGAACAGCTGAACCTCCTGCTGTC
 AGTTTCAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210813 representing BC038030
 Red=Cloning site Green=Tags(s)

MAEAAAERDAREKLSLWDGRPDSEMAPLTDRQTDSVLELKA AVENLPVPAELPIEDVCSLASQSLPIELTA
 VVPDSTEDILLKGFTSLGMEERIETAQQFFSWFAKLQTQMDQDEGKYRQMRDYL SGFQEQCDAILNDV
 NSALQHLES LQKQYLFVSNKTGTLHEACEQLLKEQSELADLA EHIQQKLSYFNELETINTKLN SPTLSVN
 SEGFI PMLAKLDDCITYISSHPNFKDYPVYLLKFKQCLSKALHLMKTYTVNTLQTLTNQLLK RDPSSVPN
 ADNAFTLFYVKFRAAAPKVRTLIEQIEQRSEKIPEYQHLLNDI HQCYLDQRELLLGPSIAYTVTELTSQN
 NRDHCA LVRSGCAF MVHVCQDEHQLYNEFFTKPTSKLDELLEKLCVSLYDVFRPLIIHVIHLETLSEL CG
 ILKNEVLEDHVQHNAEQLGAFAAGVKQMLEDVQERLVYRTHIYIQT DITGYKPAPGD LAYPDKLV MMEQI
 AQSLKDEQKKAPSEASFSDVRLEEGEASGLRKSGSTD SLNPRPQTTISPADLHGMWYPTVRRTL VCLSKL
 YRCIDRAVFQGLSQEAL SACIQSLLGASESISK NKTQIDGQLFLIKHLLILREQIAPFHTEFTIKEISLD
 LKKTRDA AFKILNPMTVPRFFRLNSNNALIEFLLEGTP EIREHYLDSKKDVDRHLKSACEQFIQQQTRLF
 GEQLEEFMTKVSALKTMASQGGPKYTL SQQPWAQPAKVNDLVATAYKTIKTKLPLTLRSMALYLSNKDTE
 FILFKPVRNNIQVFQKFHALLKEEFSSEDIQIIACPSMEQLNLLL SVSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	BC038030
ORF Size:	2460 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC038030.1](#)

RefSeq Size: 4249 bp

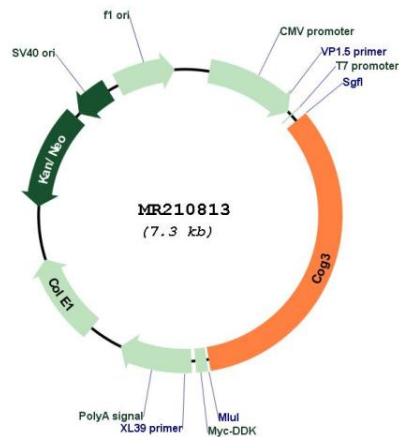
RefSeq ORF: 2462 bp

Locus ID: 338337

Cytogenetics: 14 D3

MW: 155.8 kDa

Product images:



Circular map for MR210813