

Product datasheet for **MG209205**

Igh (BC096667) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Igh (BC096667) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Igh
Synonyms:	Igh6, muH, Igm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209205 representing BC096667
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGATGGAGCTGGATCTTTTTCTTCCTCCTGTGAGGAAGTGCAGGTGTCCACTGTGAGTCCAGCTGA
 AGCAGTCTGGGGCTGAGCTGGTGAAGCCTGGGGCTTCAGTGAAGCTGTCCTGCAAGGCTTCTGGCTACAC
 TTTCACTGACTACTATATAAACTGGGTGAAGCAGAGGCCCTGGACAGGGACTTGAGTGGATTGCAAGGATT
 TATCCTGGAAGTGGTAATACTTACTACAATGAGAAGTTCAAGGGCAAGGCCACACTGACTGCAGAAAAAT
 CCTCCAGCACTGCCTACATGCAGCTCAGCAGCCTGACATCTGAGGACTCTGCTGTCTATTCTGTGCAAG
 AACTGGGACTGGTATGGACTACTGGGTCAAGGAACCTCAGTACCCTCTCCTCAGAGAGTCAGTCTTC
 CCAAATGTCTCCCCCTCGTCTCCTGCGAGAGCCCCCTGTCTGATAAGAATCTGGTGGCCATGGGCTGCC
 TGGCCCGGACTTCTGCCAGCACCATTTCCTTACCTGGAAGTACCAGAACAACACTGAAGTCATCCA
 GGGTATCAGAACCTTCCAACTGAGGACAGGGGCAAGTACCTAGCCACCTCGCAGGTGTTGCTGTCT
 CCCAAGAGCATCCTTGAAGGTTCAAGTGAATACCTGGTATGCAAAAATCCACTACGGAGGCAAAAACAAAG
 ATCTGCATGTGCCATTCCAGCTGTGCGAGAGATGAACCCCAATGTAATGTGTTGCTCCACCACGGGA
 TGGCTTCTGCGCCCTGCACCACGCAAGTCAAACCTCATCTGCGAGGCCACGAACTTCACTCCAAAACCG
 ATCACAGTATCCTGGCTAAAGGATGGGAAGCTCGTGGAACTGGCTTACCACAGATCCGGTGACCATCG
 AGAACAAGGATCCACACCCCAAACCTACAAGGTGATAAGCACACTTACCATCTCTGAAATCGACTGGCT
 GAACCTGAATGTGTACACCTGCCGTGGATCACAGGGTCTCACCTTCTGAAGAACGTGCTCTCCACA
 TGTGCTGCCAGTCCCTCCACAGACATCCTAACCTTACCATCCCCCTCTTTGCCGACATCTTCTCA
 GCAAGTCCGCTAACCTGACCTGTCTGGTCTCAAACCTGGCAACCTATGAAACCTGAATATCTCCTGGG
 TTCTCAAAGTGGTGAACCACTGGAACCAAAATTAATCATGGAAAGCCATCCCAATGGCACCTTCACT
 GCTAAGGGTGTGGCTAGTGTGTTGTGGAAAGTGAATAACAGGAAGGAATTTGTGTACTGTGACTC
 ACAGGGATCTGCCTTACCACAGAAAGAAATTCATCTCAAACCCCAATGAGGTGCACAAACATCCACCTGC
 TGTGTACTGCTGCCACCAGCTCGTGGCAACTGAACCTGAGGGAGTCAAGCACAGTCACTGCCTGGT
 AAGGGCTTCTCCTGCAGACATCAGTGTGCAAGTGGCTTCAAGAGAGGGCAACTCTGCCCAAGAGAAGT
 ATGTGACCAGTCCCGATGCCAGACCTGGGGCCCCAGGCTTCTACTTTACCCACAGCATCCTGACTGT
 GACAGAGGAGGAATGGAACCTCCGAGAGACCTATACCTGTGTTGTAGGCCACGAGGCCCTGCCACACCTG
 TGACCGAGAGGACCGTGGACAAGTCCACTGGTAAACCCACACTGTACAATGTCTCCTGATCATGTCTG
 ACACAGGCGGCACCTGTAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209205 representing BC096667
 Red=Cloning site Green=Tags(s)

MGWSWIFFLLSGTAGVHCQVQLKQSGAELVIRPGASVKLSCKASGYTFDYYINWVKRPGQGLEWRIARI
 YPGSGNTYYNEKFKGKATLTAEKSSSTAYMQLSSLSEDSAVYFCARTGTGMDYWGQGTSVTVSSESQSF
 PNVFPLVSCESPLSDKNLVAMGCLARDFLPSTISFTWNYQNTEVIQGITFPTLRTGGKYLATSQVLLS
 PKSILEGSDEYLVCKIHYGGKNDLHVPIPAVAEMNPVNVFVPPRDFGSGPAPRKSGLICEATNFTP
 ITVSWLKDGLVESGFTTDPVTIENKSTPQTYKIVISTLTISEIDWLNLVYTCRVDHRGLTFLKNVSST
 CAASPSTDILFTTIPPSFADIFLSKSNLTLVSNLATYETLNISWASQSGEPLTKIKIMESHPTGFS
 AKGVASVCVEDWNNRKEFVCTVTHRDLPSPQKFIKPNVHKKHPPAVYLLPPAREQLNLRRESATVTCLV
 KGFSPADISVQWLQRGQLLPQEKYVTSAPMPEPAGPFYFTHSILTVTEEWNSGETYTCVVGHEALPHL
 VTERTVDKSTGKPTLYNLSLIMSDTGGTCY

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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: [BC096667](#)

RefSeq Size: 1945 bp

RefSeq ORF: 1772 bp

Locus ID: 16019

Cytogenetics: 12 62.1 cM