

Product datasheet for **MR209205**

Igh (BC096667) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Igh (BC096667) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Igh
Synonyms:	Igh6, muH, Igm
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR209205 representing BC096667
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGATGGAGCTGGATCTTTTTCTTCCTCCTGTGAGGAAGTGCAGGTGTCCACTGTGAGTCCAGCTGA
 AGCAGTCTGGGGCTGAGCTGGTGAAGCCTGGGGCTTCAGTGAAGCTGTCCCTGCAAGGCTTCTGGCTACAC
 TTTCACTGACTACTATATAAACTGGGTGAAGCAGAGGCCCTGGACAGGGACTTGAGTGGATTGCAAGGATT
 TATCCTGGAAGTGGTAATACTTACTACAATGAGAAGTTCAAGGGCAAGGCCACACTGACTGCAGAAAAAT
 CCTCCAGCACTGCCTACATGCAGCTCAGCAGCCTGACATCTGAGGACTCTGCTGTCTATTCTGTGCAAG
 AACTGGGACTGGTATGGACTACTGGGTCAAGGAACCTCAGTACCCTCTCCTCAGAGAGTCAGTCTTCC
 CCAAATGTCTTCCCCTCGTCTCCTGCGAGAGCCCCCTGTCTGATAAGAACTGGTGGCCATGGGCTGCC
 TGGCCCGGACTTCTGCCAGCACCATTTCCTTACCTGGAAGTACCAGAACAACTGAAGTCATCCA
 GGGTATCAGAACCTTCCAACTGAGGACAGGGGCAAGTACCTAGCCACCTCGCAGGTGTTGCTGTCT
 CCCAAGAGCATCCTTGAAGGTTAGATGAATACCTGGTATGCAAAATCCACTACGGAGGCAAAAACAAAG
 ATCTGCATGTGCCATTCCAGCTGTGCGAGAGATGAACCCCAATGTAATGTGTTCTGCCACCACGGGA
 TGGCTTCTGCGCCCTGCACCACGCAAGTCAAACCTCATCTGCGAGGCCACGAACTTCACTCCAAAACCG
 ATCACAGTATCCTGGCTAAAGGATGGGAAGCTCGTGGAACTGGCTTACCACAGATCCGGTGACCATCG
 AGAACAAAGGATCCACACCCCAAACCTACAAGGTGATAAGCACACTTACCATCTCTGAAATCGACTGGCT
 GAACCTGAATGTGTACACCTGCCGTGGATCACAGGGTCTCACCTTCTGAAGAACGTGCTCTCCACA
 TGTGCTGCCAGTCCCTCCACAGACATCCTAACCTTACCATCCCCCTCCTTTGCCGACATCTTCTGGC
 GCAAGTCCGCTAACCTGACCTGTCTGGTCTCAAACCTGGCAACCTATGAAACCTGAATATCTCTGGCC
 TTCTCAAAGTGGTGAACCACTGGAAACCAAAATTAATAATCATGGAAAGCCATCCCAATGGCACCTCAGT
 GCTAAGGGTGTGGCTAGTGTGTTGTGGAAAGACTGGAATAACAGGAAGGAATTTGTGTACTGTGACTC
 ACAGGGATCTGCCTTACCACAGAAAGAAATTCATCTCAAACCCCAATGAGGTGCACAAACATCCACCTGC
 TGTGTACTGCTGCCACCAGCTCGTGAAGCACTGAACCTGAGGGAGTCAGCCACAGTACCTGCCTGGT
 AAGGGCTTCTCTCCTGCAGACATCAGTGTGCACTGGCTTACAGAGAGGGCAACTCTGCCCAAGAGAAGT
 ATGTGACCAGTCCCGATGCCAGAGCCTGGGGCCCCAGGCTTCTACTTTACCCACAGCATCCTGACTGT
 GACAGAGGAGGAATGGAACCTCCGAGAGACCTATACCTGTGTTGTAGGCCACGAGGCCCTGCCACACCTG
 GTGACCGAGAGGACCGTGGACAAGTCCACTGGTAAACCCACACTGTACAATGTCTCCTGATCATGTCTG
 ACACAGGCGGCACCTGTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209205 representing BC096667
 Red=Cloning site Green=Tags(s)

MGWSWIFFFLSGTAGVHCQVQLKQSGAELVRPGASVKLSCKASGYFTFDYYINWVKQRPQGLEWIARI
 YPGSGNTYYNEFKGKATLTAEKSSSTAYMQLSSTSEDSAVYFCARTGTGMDYWGQTSVTVSSESQSF
 PNVFPLVSCESPLSDKNLVAMGCLARDFLPSTISFTWNYQNNTEVIQGIPTLRTGGKYLATSQVLLS
 PKSILEGSDEYL VCKIHYGGKNDLHVP IPAVAEMNPVNVFVPPRDGFSGPAPRKSKLICEATNF PKP
 ITVSWLKDGLVESGFTTDPVTIENKSTPQTYKVI STL ISEIDWLNLVYTCRVDHRGLTFLKNVSST
 CAASPSTDILTFTIPPSFADIFLSKSANLTCLVSNLATYETLNISWASQSGEPLTKIKIMESHNGTFS
 AKGVASVCVEDWNNRKEFVCTVTHRDLPSPQKFI SKPNEVHKHPPAVYLLPPAREQLNLRRESATVTCLV
 KGFSPADISVQWLQRGQLLPQEKYVTSAPMPEPGAPGFYFTHSILTVTEEEWNSGETYTCVVGHEALPHL
 VTERTVDKSTGKPTLYNVSLIMSDTGGTCY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

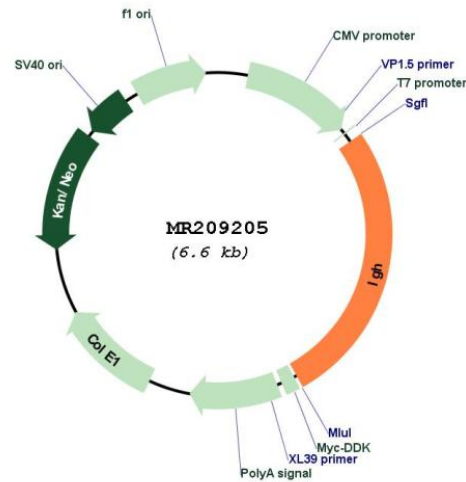
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: BC096667

ORF Size: 1770 bp

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

MW: 71.3 kDa