

Product datasheet for **MR207534**

Igh (BC018535) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Igh (BC018535) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Igh
Synonyms:	MGC18977
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207534 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGATGGAGCTGGATCTTTCTTCTCCTCTGTGAGGACTGCAGGTGTCTCTGAGGTCCAGCTGC
 AACAGTCTGGACCTGAGTTGGTGAAGACTGGGGCTTCAGTGAAGATGTCCCTGCAAGGCTTCTGGATACAC
 ATTCAGTGACTACTACATGCACTGGGTGAAGCAGAGCCATGAAAAGAGCCTTGAGTGGATTGGATATATT
 TATCCTAACAAATGGTGGTAATGGCTACAACCAGAAGTTCAAGGGCAAGGCCACATTGACTGTAGACAAGT
 CCTCCAGCACAGCCTACATGGAGCTCCGCAGCCTGACATCTGAGGACTCTGCAGTCTATTACTGTGCAAG
 AGGATATATAAGTTACTATAGTTACGATCACTACTTTGACTACTGGGGCCAAGGCACCACATCACAGTC
 TCCTCAGCAAAAACAACAGCCCCATCGGTCTATCCACTGGCCCCGTGTGTGGAGATACTGCTCCT
 CGGTGACTCTAGGATGCCTGGTCAAGGGTTATTTCCCTGAGCCAGTGACCTTGACCTGGAACCTGGATC
 CCTGTCCAGTGGTGTGCACACCTCCCAGCTGTCTGCAGTCTGACCTCTACACCCTCAGCAGCTCAGTG
 ACTGTAACCTCGAGCACCTGGCCAGCCAGTCCATCACCTGCAATGTGGCCACCCGGCAAGCAGCACCA
 AGGTGGACAAGAAAATTGAGCCCAGAGGGCCACAATCAAGCCCTGTCTCCATGCAAAATGCCAGCACC
 TAACCTCTTGGGTGGACCATCCGTCTTTCATCTTCCCTCAAAGATCAAGGATGACTCATGATCTCCCTG
 AGCCCCATGGTACATGTGTGGTGGTGGATGTGAGCGAGGATGACCCAGATGTCCAGATCAGCTGGTTTCG
 TGAACAACGTGGAAGTACTCACAGCTCAGACACAAACCCATAGAGAGGATTACAACAGTACTCTCCGGGT
 GGTGAGTCCCTCCCATCCAGCACCAGGACTGGATGAGTGGCAAGGAGTTCAAATGCAAGGTCAACAAC
 AAAGCCCTCCAGCGCCATCGAGAGAACCATCTCAAACCCAAAGGGTCAAGTAAAGCTCCACAGGTAT
 ATGTCTTGCCTCCACAGAAGAAGAGATGACTAAGAAACAGTCACTCTGACCTGCATGGTCAACAGACT
 CATGCCTGAAGACATTTACGTGGAGTGGACCAACAACGGGAAAACAGAGCTAAACTACAAGAACAACAGTAA
 CCAGTCTGGACTCTGATGGTTCTACTTCATGTACAGCAAGCTGAGAGTGGAAAAGAAGAACTGGGTGG
 AAAGAAATAGTACTCTGCTCAGTGGTCCACGAGGGTCTGCACAATCACCACACGACTAAGAGCTTCTC
 CCGGACTCCGGTAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207534 protein sequence
 Red=Cloning site Green=Tags(s)

MGWSWIFLFLLSGTAGVLSEVQLQQSGPELVKTAGSVKMSCKASGYTFSDYYMHVWKQSHGKSLEWIGYI
 YPNNGGNGYNQKFKGKATLTVDKSSSTAYMELRSLTSEDSAVYYCARGYISYYSYDHYFDYWGQGTITV
 SSAKTTAPSVYPLAPVCGDITGSSVTLGCLVKGYFPEPVTLTWNSGSLSSGVHTFPAVLQSDLYTLSSSV
 TVTSSTWPSQSIICNVAPASSTKVDKIEPRGPTIKPCPPCKCPAPNLLGGPSVFIAPPKIKDVLMI
 SLSMPVTCVVDVSEDDPDVQISWVFNVEVLTAQTQTHREDYNSTLRVVSALPIQHQQDWMGKFKCKVNN
 KALPAPIERTISKPKGSRAPQVYVLPPEEEMTKQVTLTCMVTDFMPEDIYVEWTNNGKTELNYKNT
 E PVLDSGYSYFMYSKLRVEKKNWVERNSYSCSVVHEGLHNHHTTKFSRTPGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC018535

ORF Size: 1416 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: [BC018535](#)

RefSeq Size: 1593 bp

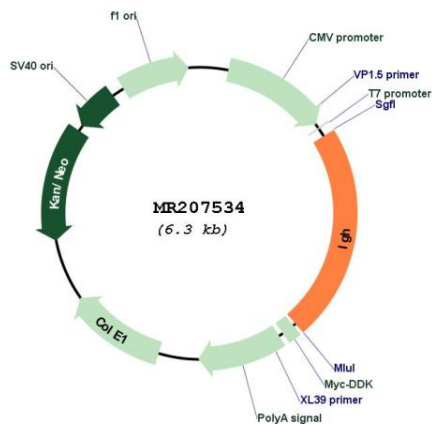
RefSeq ORF: 1418 bp

Locus ID: 380793

Cytogenetics: 12 F2|12

MW: 52.3 kDa

Product images:



Circular map for MR207534