

## Product datasheet for **MR207348**

### Ighg1 (BC057688) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | Ighg1 (BC057688) Mouse Tagged ORF Clone |
| Tag:                      | Myc-DDK                                 |
| Symbol:                   | Ighg1                                   |
| Synonyms:                 | IgG1, VH7183                            |
| Mammalian Cell Selection: | Neomycin                                |
| Vector:                   | pCMV6-Entry (PS100001)                  |
| E. coli Selection:        | Kanamycin (25 ug/mL)                    |



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**ORF Nucleotide Sequence:**

>MR207348 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTGTCTGGGGCTGCTCCTCTGCCTGGTGACCTTTCCAAGCTGTGTCTGTACAAGTGCAGATGA  
 AGGAGTCAGGACCTGACCTTGTGCAGCCATCACAGACTCTGTCTCACCTGCACCTGTCTCTGGTTCTC  
 ATTAAGTAGCTATGGTGTACATTGGTTTCGCAAGCCTCCGAGAAAAGGATTGGAATGGTTGGGAGGAATA  
 TGGTCTGGTGAAGCATATACTATACTCCAGCTCTCAGTTCCTGACTGAGTGTCAACAGGGACATCTCTA  
 AGAGCCAAGTTTTCTTTAAAATGACCAGCTGCAAAGTGAAGACACGGCTGTGTACCACTGTGCCAGACG  
 TGGTAGCTACGAGGACTTCGATGTCTGGGGCGCAGGGACCACGGTCACCGTCTCCGCAGCCAAAACGACA  
 CCCCCATCTGTCTATCCACTGGCCCTGGATCTGCTGCCAAACTAACTCCATGGTGACCCTGGGATGCC  
 TGGTCAAGGGCTATTTCCCTGAGCCAGTGACAGTGACCTGGAAGTCTGGATCCCTGTCCAGCGGTGTGCA  
 CACCTTCCAGCTGTCTGCAGTCTGACCTCTACACTCTGAGCAGCTCAGTGACTGTCCCCTCCAGCACC  
 TGGCCCAGCCAGACCGTCACTGCAACGTTGCCACCCGCGCCAGCAGCACCAAGGTGGACAAGAAAATTG  
 TGCCAGGGATTGTGGTTGAAGCCTTGCATATGTACAGTCCCAGAAGTATCATCTGTCTTCATCTTCCC  
 CCCAAAGCCAAAGGATGTGCTCACCATTACTCTGACTCCTAAGGTCACGTGTGTTGGTAGACATCAGC  
 AAGGATGATCCCAGGTCAGTTCAGCTGGTTTGTAGATGATGTGGAGGTGCACACAGCTCAGACAAAAC  
 CCCGGGAGGAGCAGTTCAACAGCACTTCCGTTCACTCAGTGAAGTCCCATCATGCACCAGGACTGGCT  
 CAATGGCAAGGAGTTCAAATGCAGGGTCAACAGTGCAGCTTCCCTGCCCCATCGAGAAAACCATCTCC  
 AAAACCAAGGCAGACCGAAGGCTCCACAGGTGTACACCATTCCACCTCCAAGGAGCAGATGGCCAAGG  
 ATAAAGTCAGTCTGACCTGCATGATAACAGACTTCTTCCCTGAAGACATTACTGTGGAGTGGCAGTGGAA  
 TGGGCAGCCAGCGGAGAACTACAAGAACACTCAGCCCATCATGGACACAGATGGCTCTTACTTCGTCTAC  
 AGCAAGCTCAATGTGCAGAAGAGCAACTGGGAGGCAGGAATACTTTCACCTGCTCTGTGTACATGAGG  
 GCCTGCACAACCACATACTGAGAAGAGCCTCTCCCACTCTCTGGTAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207348 protein sequence  
 Red=Cloning site Green=Tags(s)

MAVLGLLLCLVTFPSCVLSQVQMKESGPDLVQPSQTLSTCTVSGFSLSSYGVHWRKPPRKGLEWLGGI  
 WSGGSIYYTPALSSRLSVNRDISKSQVFFKMTSLQSEDTAVYHCARRGSYEDFDVWGAGTTVTVSAAKTT  
 PPSVYPLAPGSAQTNSMVTLGCLVKGYFPEPVTVTWNSGSLSSGVHTFPAVLQSDLYTLSSSVTVPSST  
 WPSQTVTCNVAHPASSTKVDKIVPRDCGCKPCICTVPEVSSVFIFPPKPKDVLITLTPKVTQVVDIS  
 KDDPEVQFSWFVDDVEVHTAQTTPREEQFNSTFRSVSELPIMHQDWLNGKEFKCRVNSAAFPAPIEKTIS  
 KTKGRPKAPQVYTIPPPKEQMAKDKVSLTCMITDFFPEDITVEWQWNGQPAENYKNTQPIIMDTDGSYFVY  
 SKLNVQKSNWEAGNTFTCSVLHEGLHNNHTEKSLSHSPGK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shutting:


**ACCN:** BC057688

**ORF Size:** 1380 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:** [BC057688](#)
**RefSeq Size:** 1657 bp

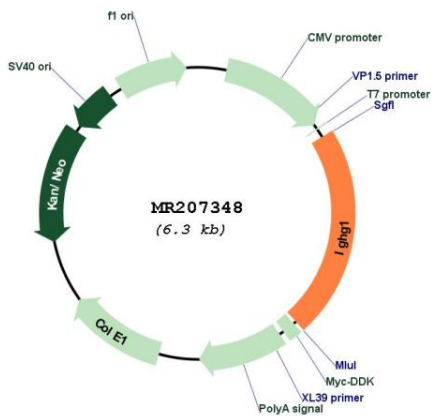
**RefSeq ORF:** 1382 bp

**Locus ID:** 16017

**Cytogenetics:** 12 62.1 cM

MW: 50.6 kDa

Product images:



Circular map for MR207348