

## Product datasheet for MC208739

### Irgm1 (NM\_008326) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Irgm1 (NM_008326) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Irgm1
Synonyms:	Ifggd3; lfi1; lipg3; lipg3; Irgm; LRG-47
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC208739 representing NM_008326 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAAACCATCACACAGTTCCTGCGAGGCTGCTCCACTACTCCCCAACATGGCAGAGACCCATTATGCTC  
CCCTGAGCTCAGCCTTCCCCTTTGTACGTCATACCAAACAGGCTCCAGCAGGTTACCTGAGGTCAGTAG  
GAGCACCAGAAAGAGCTTTAAGAGAAGGAAAACACTGGAAGTGGTCTACGGAATCAAGGAGACTGTGGCA  
ACATTGTCCCAGATTCAGTGAGCATCTTTGTGACTGGGGACTCTGGCAATGGCATGTCATCTTTATCA  
ATGCACCTCGAGTCATCGGCCATGATGAAGATGCCTCGGCTCCCCTGGGTGGTGGAGACCACGAAGAC  
GCGGACTGAGTACTCTTCATCCCCTTTCCCAATGTGGTGTGTGGGACTTACCTGGATTGGGGGCCACA  
GCCCAAACCGTAGAGGACTATGTGGAAGAGATGAAATTTAGCACATGTGACTTATTCATCATATTGCCCT  
CTGAGCAGTTCAGCTCGAATCATGTGAAGCTGTCCAAAATATCCAGAGCATGGGAAAGAGGTTCTATAT  
TGTCTGGACCAAGCTGGACAGGGACCTCAGCACCAGTGCCTATCAGAGGTCGGCTCCTACAGAATATC  
CAGGAGAATATCCGAGAGAATCTGCAGAAGGAGAAAGTGAAGTACCCCCCGTGTCTCTGGTATCCAGTC  
TAGACCTTTACTATATGACTTCCCGAAGCTTAGGGACACACTTATAAAGATCTCCAACATCAGGTG  
CTGTGAACCTTAAAGACCTTTATGGCACTTATGAGAAGATCGTTGGTGATAAAGTAGCAGTCTGGAAG  
CAGAGAATAGCCAACGAGTCCTTGAAGAATTCTCTCGGTGTCAGAGATGATGACAACATGGGCGAGTGTC  
TGAAAGTGTACCGACTGATATTTGGTGTAGATGACGAATCAGTTCAGCAGGTAGCCAGAGTATGGGGAC  
AGTAGTCATGGAGTACAAGGACAACATGAAGTCCCAAACTTTTATACTCTCCGACAGAGGACTGGAAA  
CTGAGGCTGATGACATGTGCAATTGTGAATGCATTCTCCGTTTGTGAGATTTCTCCCATGCGTATGCT  
GCTGTTTAAAGACGCTTGAGACATAAACGCATGCTTTTCTAGTTGCCAGGACACCAAGAACATCTAGA  
GAAAATCTGAGGACTCCATCTCCCTCCGAGATC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_008326
<b>Insert Size:</b>	1230 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_008326.1</a> , <a href="#">NP_032352.1</a>
<b>RefSeq Size:</b>	2227 bp
<b>RefSeq ORF:</b>	1230 bp
<b>Locus ID:</b>	15944
<b>UniProt ID:</b>	<a href="#">Q60766</a>
<b>Cytogenetics:</b>	11 B1.2
<b>Gene Summary:</b>	<p>Putative GTPase which is required for IFNG-mediated clearance of acute protozoan and bacterial infections. Functions in innate immune response probably through regulation of autophagy. May regulate proinflammatory cytokine production and prevent endotoxemia upon infection. Required for macrophage motility and possibly also for adhesion. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform.</p>