

## Product datasheet for **MG201218**

### Jchain (NM\_152839) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Jchain (NM\_152839) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Jchain  
**Synonyms:** 9530090F24Rik; AI323815; Igj; Jch  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG201218 representing NM\_152839  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGACCCACCTGCTTCTCTGGGGAGTCTGGCCATTTTTGTTAAGGCTGTCCTTGTAACAGGTGACG  
 ACGAAGCGACCATTCTTGCTGACAACAAATGCATGTGTACCCGAGTTACCTCTAGGATCATCCCTCCAC  
 CGAGGATCCTAATGAGGACATTGTGGAGAGAAATATCCGAATTGTTGCCCTTTGAACAACAGGGAGAAT  
 ATCTCTGATCCCACCTCCCCTGAGAAGGAACTTGTATACCATTTGTCAGACGTCTGTAAGAAATGCC  
 ATCCTGTGGAAGTGGAGCTGGAAGATCAGGTTGTTACTGCCACCCAGAGCAACATCTGCAATGAAGACGA  
 TGGTGTTCTGAGACCTGCTACATGTATGACAGAAACAAGTGCTATACCACTATGGTCCCCTTAGGTAT  
 CATGGTGAGACAAAATGGTGCAAGCAGCCTTGACCCCGATTCTTGCTACCTTGAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG201218 representing NM\_152839  
 Red=Cloning site Green=Tags(s)

MKTHLLLWGVLAIFVKAVLVTGDDEATILADNKMCTRVTSRIIPSTEDPNEDIVERNIRIVVPLNNREN  
 ISDPTSPLRRNFVYHLSDVCKKCDPVEVELEDQVVVATQSNICNEDDGPVETCYMYDRNKCYYTMMVPLRY  
 HGETKMQAALTPDSCYLD

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI

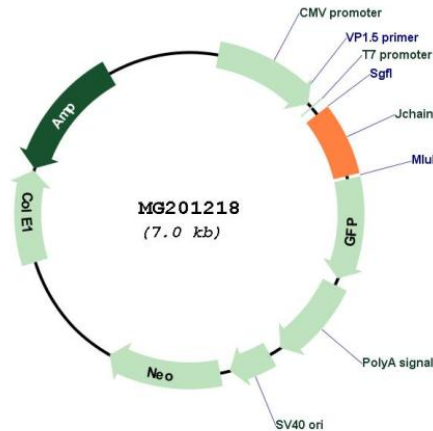


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_152839

ORF Size: 477 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.

<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>	<u>NM_152839.1, NP_690052.1</u>
<b>RefSeq Size:</b>	1286 bp
<b>RefSeq ORF:</b>	480 bp
<b>Locus ID:</b>	16069
<b>UniProt ID:</b>	<u>P01592</u>
<b>Cytogenetics:</b>	5 E1
<b>Gene Summary:</b>	Serves to link two monomer units of either IgM or IgA. In the case of IgM, the J chain-joined dimer is a nucleating unit for the IgM pentamer, and in the case of IgA it induces larger polymers. It also help to bind these immunoglobulins to secretory component. [UniProtKB/Swiss-Prot Function]