

## Product datasheet for **RG207932**

### IGJ (JCHAIN) (NM\_144646) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IGJ (JCHAIN) (NM\_144646) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** IGJ  
**Synonyms:** IGCJ; IGJ; JCH  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG207932 representing NM\_144646  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGAACCATTGCTTTTCTGGGGAGTCCTGGCGGTTTTTATTAAGGCTGTTTCATGTAAAGCCCAAG  
 AAGATGAAAGGATTGTTCTTGTGACAACAAATGTAAGTGTGCCCGGATTACTCCAGGATCATCCGTTCC  
 TTCGAAGATCCTAATGAGGACATTGTGGAGAGAAACATCCGAATTATTGTTCTCTGAACAACAGGGAG  
 AATATCTCTGATCCACCTCACCATTGAGAACCAGATTTGTGTACCATTGTCTGACCTCTGTAAAAAT  
 GTGATCTACAGAAGTGGAGCTGGATAATCAGATAGTTACTGCTACCCAGAGCAATATCTGTGATGAAGA  
 CAGTGCTACAGAGACCTGCTACACTTATGACAGAAACAAGTGTACACAGCTGTGGTCCCACTCGTATAT  
 GGTGGTGAGACAAAATGGTGAAACAGCCTTAACCCAGATGCCTGCTATCCTGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG207932 representing NM\_144646  
 Red=Cloning site Green=Tags(s)

MKNHLLFWGVLAVFIKAVHVKAQEDERIVLVDNKCKCARITSRIIRSSDPNEDIVERNIRIIVPLNNRE  
 NISDPTSPLRTRFVYHLSDLCKKCDPTEVELDNQIVTATQSNICDEDSATETCYTYDRNKCYTAVVPLVY  
 GGETKMMVETALPDACYPD

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_144646

**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.

**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:** [NM\\_144646.4](#)

**RefSeq Size:** 948 bp

**RefSeq ORF:** 480 bp

**Locus ID:** 3512

**UniProt ID:** [P01591](#)

**Cytogenetics:** 4q13.3

**Gene Summary:** Serves to link two monomer units of either IgM or IgA. In the case of IgM, the J chain-jointed 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]

**Product images:**



Circular map for RG207932