

Product datasheet for **SC100076**

IGJ (JCHAIN) (NM_144646) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGJ (JCHAIN) (NM_144646) Human Untagged Clone
Tag:	Tag Free
Symbol:	IGJ
Synonyms:	IGCJ; IGJ; JCH
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100076 sequence for NM_144646 edited (data generated by NextGen Sequencing)

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ATGAAGAACCATTGCTTTTCTGGGGAGTCCTGGCGGTTTTTATTAAGGCTGTTTCATGTG
AAAGCCCAAGAAGATGAAAGGATTGTTCTTGTGACAACAAATGTAAGTGTGCCCGGATT
ACTTCCAGGATCATCCGTTCTTCCGAAGATCCTAATGAGGACATTGTGGAGAGAAACATC
CGAATTATTGTTCTCTGAACAACAGGGAGAATATCTCTGATCCACCTCACCATTGAGA
ACCAGATTTGTGTACCATTTGTCTGACCTCTGTAAAAATGTGATCCTACAGAAGTGGAG
CTGGATAATCAGATAGTTACTGCTACCCAGAGCAATATCTGTGATGAAGACAGTGCTACA
GAGACCTGCTACACTTATGACAGAAACAAGTGCTACACAGCTGTGGTCCCACTCGTATAT
GGTGGTGAGACAAAATGGTGAAACAGCCTTAACCCAGATGCCTGCTATCCTGACTAA
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Clone variation with respect to NM_144646.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_144646 unedited GGGGTTCATATTTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGGTCAAGA TGAAGAACCATTTGCTTTTCTGGGGAGTCCTGGCGGTTTTTATTAAGGCTGTTTCATGTGA AAGCCCAAGAAGATGAAAGGATTGTTCTTGTGACAACAATGTAAGTGTGCCCGGATTA CTTCCAGGATCATCCGTTCTTCCGAAGATCCTAATGAGGACATTGTGGAGAGAAACATCC CAATTATTGTTCTCTGAACAACAGGGAGAATATCTCTGATCCCACCTCACCATTGAGAA CCAGATTTGTGTACCATTTGTCTGACCTCTGTAATAAATGTGATCCTACAGAAGTGGAGC TGGATAATCAGATAGTTACTGCTACCCAGAGCAATATCTGTGATGAAGACAGTGCTACAG AGACCTGTACACTTATGACAGAAACAAGTGCTACACAGCTGTGGTCCCCTCGTATATG GTGGTGAGACAAAATGGTGAAACAGCCTTAACCCAGATGCCTGCTATCCTGACTAAT TTAAGTCATTGCTGACTGCATAGCTCTTTTTCTTGAGAGGCTCTCCATTNTGATTAGAA AGTTAGCATATTTATTACCAATGAAAATGAACCAGNGCTTTTTTTTTTTTTTTGGGTGAT GTAACCAACTCCTGGCACCAATATTAATAAGTACATTGTTATCTTTATTAGGAAT CACTTCTTATTATATGTTTCATACCTCTAGTATCAAAATTTCCAATATTATGCTCACCTG AAAAAGTTTGCTCTAAGGATACAGTTCTAGCTTTAAACAATAACCAGGGGAGGAAATT AACCTCCAGGGTGAATAATAGGAGGGTAATAAAGTTCTCTGCATTTCCCCCGGTTTT
Restriction Sites:	NotI-NotI
ACCN:	NM_144646
Insert Size:	1300 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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_144646.2 , NP_653247.1
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-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]