

Product datasheet for **SC106321**

IGLL1 (BC020233) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGLL1 (BC020233) Human Untagged Clone
Tag:	Tag Free
Symbol:	IGLL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC020233, the custom clone sequence may differ by one or more nucleotides

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ATGGCCTGGTCTCCTCTCCTCCTCACTCTCCTCGCTCACTGCACAGGGTCTGGGCCAGTCTGTGCTGACGAGCCGCCCTCAGTGTCTGGGGCCCCAGGGCAGAGGGTACCATCTCCTGCACTGGGAGCAGTCCAA  
CATCGGGGCGAGTTATGATGTACTACTGGTACCAGCAGCTTCCAGGAACAGCCCCAAACTCCTCATCTAT  
GGTAACAGCAATCGGCCCTCAGGGTCCCTGACCGATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCC  
TGGCCATCACTGGGCTCCAGGCTGAGGATGAGGCTGATTATTACTGCCAGTCCTATGACAGCAGCCTGAG  
TGGTTTTGTGGTATTCGGCGGAGGGACCAAGCTGACCGTCCTAGGTCAGCCCAAGGCTGCCCTCGGTC  
ACTCTGTTCCCGCCCTCCTCTGAGGAGCTTCAAGCCAACAAGGCCACACTGGTGTCTCATAAGTGACT  
TCTACCCGGGAGCCGTGACAGTGGCCTGGAAGGCAGATAGCAGCCCCGTCAAGGCGGAGTGGAGACCAC  
CACACCCTCCAAACAAAGCAACAACAAGTACGCGGCCAGCAGCTATCTGAGCCTGACGCCTGAGCAGTGG  
AAGTCCCACAGAAGCTACAGCTGCCAGGTACGCATGAAGGGAGCACCGTGGAGAAGACAGTGGCCCTA  
CAGAATGTTTCATAG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for BC020233 unedited</p> <pre>TTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCACAAGAGGCAGCAC TCAGGACAATCTCCAGCATGGCCTGGTCTCCTCTCCTCCTCACTCTCCTCGCTCACTGCA CAGGGTCTGGGCCAGTCTGTGCTGACGCAGCCGCCCTCAGTGTCTGGGGCCCCAGGGC AGAGGGTCACCATCTCCTGCACTGGGAGCAGCTCCAACATCGGGGAGGTTATGATGTAC ACTGGTACCAGCAGCTTCCAGGAACAGCCCCAACTCCTCATCTATGGTAACAGTAATT GGCCCTCAGGGGTCCCTGACCGATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGG CCATCACTGGGCTCCAGGCTGAGGATGAGGCTGATTATTACTGCCAGTCTATGACAGCA GCCTGAGTGGCGTGGTATTCGGCGGAGGGACCAAGCTGACCGTCTAGGTGAGCCCAAGG CTGCCCCCTCGGTCACTCTGTTCCCGCCCTCCTCTGAGGAGCTTCAAGCCAACAAGGCCA CACTGGTGTGTCTATAAGTGACTTCTACCCGGGAGCCGTGACAGTGGCCTGGAAGGCAG ATAGCAGCCCCGTCAGGGCGGAGTGGAGACCACACCCTCCAACAAGCAACAACA AGTACGCGCCAGCAGCTATCTGAGCCTGACGCCTGAGCAGTGGAAAGTCCACAGAAGCT ACAGCTGNCCAGTACGCATGAAGGGAGCACCGTGGNAGAGACAGTGGCCCTACAGAAT GTTCATAGTTCTAAACCCTCACCCCCACGGGAGACTAGAGCTGCANGATCCCAGGGN AGGGGTCTCTNCTCCCACCCAAGGGCATCAGCCTTNTCCCTGCACTCATANACCCTNNC ATAATATTCTCATTGNNCATCAGAAAAAAAAAAAAAAAAAACTN</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for BC020233 unedited</p> <pre>GTACCGGTGCCCAATTTANGATCGAGTTTTTTTTTTTTTTTTTTCTGATTGACAATGA GAATATTTATTGAGGGTTTATTGAGTGCAGGGAGAAGGGCTTGATGCCTTGGGGTGGGAG GAGAGACCCCTCCCCTGGGATCCTGCAGCTCTAGTCTCCCGTGGGGGGGTGAGGGTTA GAACCTATGAACATTCTGTAGGGCCACTGTCTTCTCCACGGTGTCCCTTCATGCGTGA CCTGGCAGCTGTAGCTTCTGTGGACTTCCACTGCTCAGGCCTCAGGCTCAGATAGCTGC TGGCCCGTACTTGTGTTGCTTTGTTTGGAGGTGTGGTGGTCTCCACTCCCGCCTTGA CGGGGCTGCTATCTGCCTTCCAGGCCACTGTACGGCTCCCGGGTAGAAGTCACTTATGA GACACACCAGTGTGCCTTGTGGCTTGAAGTCTCAGAGGAGGGCGGGAACAGAGTGA CCGAGGGGGCAGCCTTGGGCTGACCTAGGACGGTCACTTGGTCCCTCCGCCGAATACCA CGCCACTCAGGCTGCTGTATAGGACTGGCAGTAATAATCAGCCTCATCCTCAGCCTGGA GCCAGTGTGGCCAGGGAAGCTGAGGTGCCAGACTTGNAGCCACGAGAATCGTCAGGGA CCCCCTGAGGCCAATACTGTTACCCTAAATGAGGAGTTTTGGGGCCTTGTCCCTGAAAC CTGCTGGTACCCAGGGTACATTATAACCCTGCCCGATGTTGGGAGCTTGTCCCAATGC AGGAGAATGGGGACCCTTTTGGCCGGGCCCCAGAACCCTGGAGGGCGGTTGGGTCAA CCCCAAATGGGGCCAGACCCCTTGTCCATTGCCCAAGGAAATTAAGGAGGAAAGGGAAC ACCCAGGCTCGGAAATGGCCCTGGGTGCCGGCCTCTTGGCCTCGGGCCAAATTCGGG CGGCCTATTAGGAGGCGTTTCCAAATCTGCGGG</pre>
Restriction Sites:	NotI-NotI
ACCN:	BC020233
Insert Size:	1000 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:	BC020233.1 , AAH20233.1
RefSeq Size:	903 bp
RefSeq ORF:	903 bp
Locus ID:	3543
Cytogenetics:	22q11.23
Domains:	ig, IGv, IGc1, IG
Protein Families:	Secreted Protein
Protein Pathways:	Primary immunodeficiency
Gene Summary:	<p>The preB cell receptor is found on the surface of proB and preB cells, where it is involved in transduction of signals for cellular proliferation, differentiation from the proB cell to the preB cell stage, allelic exclusion at the Ig heavy chain gene locus, and promotion of Ig light chain gene rearrangements. The preB cell receptor is composed of a membrane-bound Ig mu heavy chain in association with a heterodimeric surrogate light chain. This gene encodes one of the surrogate light chain subunits and is a member of the immunoglobulin gene superfamily. This gene does not undergo rearrangement. Mutations in this gene can result in B cell deficiency and agammaglobulinemia, an autosomal recessive disease in which few or no gamma globulins or antibodies are made. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p>