

## Product datasheet for **SC108252**

### IGLL1 (NM\_152855) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IGLL1 (NM\_152855) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** IGLL1  
**Synonyms:** 14.1; AGM2; CD179b; IGL1; IGL5; IGLJ14.1; IGLL; IGO; IGVPB; VPREB2  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL4  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_152855 edited  
 GAATTCGGCACCAGTGCCAGCGAGAGGGACCAGGGCACCCTCTCTAGGGAGCCCACACT  
 GCAAGTCAGGCCACAAGGACCTCTGACCCTGAGGGCCGATGAGGCCAGGGACAGGCCAGG  
 GGGGCCTTGAGGCCCTGGTGAGCCAGGCCCAACCTCAGGCAGCGCTGGCCCCTGCTGC  
 TGCTGGGTCTGGCCGTGGTAACCCATGGCCTGCTGCGCCCAACAGCTGCATCGCAGAGCA  
 GGGCCCTGGGCCCTGGAGCCCCTGGAGGAAGCAGCCGGTCCAGCCTGAGGAGCCGGTGG  
 GCAGGTTCTGCTCCAGCGCGGCTCCTGGACTGGCCCCAGGTGCTGGCCCCGGGGTTTC  
 AATCCAAGCATAACTCAGTGACGCATGTGTTTGGCAGCGGGACCCAGCTCACCGTTTTAA  
 GTCAGCCCAAGGCCACCCCTCGGTCACTCTGTTCCCGCCGTCTCTGAGGAGCTCCAAG  
 CCAACAAGGCTACTGTTGTGCTCATGAATGACTTTTATCCGGGAATCTTGACGGTGA  
 CCTGGAAGGCAGATGGTACCCCATCACCCAGGGCGTGGAGATGACCACGCCCTCCAAC  
 AGAGCAACAACAAGTACGCGGCCAGCAGCTACCTGAGCCTGACGCCGAGCAGTGAGGT  
 CCCGAGAAAGCTACAGCTGCCAGGTCATGCACGAAGGGAGCACCGTGGAGAAGACGGTGG  
 CCCCTGCAGAATGTTTCATAGGTTCCAGCCCCGACCCACCCAAAGGGGCTGGAGCTGC  
 AGGATCCCAGGGGAAGGGTCTCTCTGTCATCCAAGCCATCCAGCCCTTCTCCCTGTAC  
 CCAGTAAACCCTAAATAAATACCCTCTTTGTCAACCAGAAAAAAAAAAAAAAAAAAAAAA  
 AACTCGAC



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_152855 unedited  
 NTAAGTTCAGGATTTTGTAAATACGACTCACTATAGGGGCGGCGCGAATTCGACCAG  
 TGCCAGCGAGAGGGACCAGGGCACCCTCTGTGGGGAGCCCACTGCAAGTCAGGCCAC  
 AAGGACCTCTGACCCTGAGGGCCGATGAGGCCAGGGACAGGCCAGGGGGCCCTTGAGGCC  
 CCTGGTGAGCCAGGCCAACCTCAGGCAGCGCTGGCCCTGCTGCTGCTGGGTCTGGCC  
 GTGGTAACCCAGGGGCTGCTGCGCCAAACAGCTGCATCGCAGAGCAGGGCCCTGGGCCCT  
 GGAGCCCTGGAGGAAGCAGCCGGTCCAGCCTGAGGAGCCGGTGGGGCAGGTTCCCTGCTC  
 CAGCGCGGCTCCTGGACTGGCCCCAGGTGCTGGCCCCGGGGTTTCAATCCAAGCATAAC  
 TCAGTGACGCATGTGTTTGGCAGCGGGACCCAGCTCACCGTTTTAAGTCAGCCCAAGGCC  
 ACCCCCTCGGTCACTCTGTTCCCGCCGTCCTCTGAGGAGCTCCAAGCAACAAGGCTACA  
 CTGGTGTGTCTCATGAATGACTTTTATCCGGGAATCTTGACGGTGACCTGGAAGGCAGAT  
 GGTACCCCATCACCCAGGGCGTGGAGATGACCACGCCCTCAAACAGAGCAACAACAAG  
 TACGGGCCAGCAGCTACCTGAGCCTGACGCCGAGCAGTGGAGGTCCCGCAGAAGCTAC  
 AGCTGCCAGGTATGCACGAAGGGAGCACCGTGGAGAAGACGGTGGCCCTGCAGAAGTT  
 CATAGTTCCAGCCCCACCCACCCAAAGGGGCTGGAGCTGCAGGATCCAGGGGAGG  
 GTGTCTCTGCATCCCAAGCCATCCAGCCCTTCTCTGTACCCAGTAAACCTAAAAAT  
 ACCCTCTTA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_152855 unedited  
 CNATTTTATATCTTTTTTTTTTTTTTTTTTCGGTTGACAAAAAGGTATTTATTTAGGGTTA  
 CTGGGTACAGGGAGAAGGGCTGGATGGCTTGGGATGCAGAGAGAGACCCTTCCCCTGGGA  
 TCCTGCAGCTCCAGGCCCTTTGGGTGGGGTCGGGGCTGGGAACCTATGAACATTCTGCA  
 GGGGCCACCGTCTTCTCCACGGTCTCCCTTCGTGCATGACCTGGCAGCTGTAGCTTCTG  
 CGGGACCTCCACTGCTCGGGCGTCAGGCTCAGGTAGCTGCTGGCCGCGTACTTGTGTG  
 CTCTGTTTGGAGAGGCGTGGTCACTCCACGCCCTGGGTGATGGGGGTACCATCTGCCTT  
 CCAGGTACCCGTCAAGATTCCCGGATAAAAAGTCATTTCATGAGACACACAGTGTAGCCTT  
 GTTGGCTTGGAGCTCCTCAGAGGACGGCGGGAACAGAGTGACCGAGGGGGTGGCCTTGGG  
 CTGACTTAAAACGGTGAGCTGGTCCCCTGCCAAACACATGCGTCACTGAGTTATGCTT  
 GGATTGAAACCCCGGGGCCAGCACCTGGGGCCAGTCCAGGAGCCGCGCTGGAGCAGGAA  
 CCTGCCCCACCGGCTCCTCAGGCTGGACCCGCTGCTTCTGCAGGGGCTCCAGGGCCAG  
 GGCCCTGCTCTGCGATGCAACTGTTGGGCGCAACATGCCTGGGGTTACCACGGGCAGACC  
 CAGCAGCACCGGGGCCAACGCTGCCTGAGGTTGGGGCCTGGTTACCAGGGCCCTAAGG  
 GCCCCTGGCCTGTCCCTGGCCTCATAGA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_152855

**Insert Size:**

1000 bp

**OTI Disclaimer:**

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 [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<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_152855.1, NP_690594.1</u>
<b>RefSeq Size:</b>	785 bp
<b>RefSeq ORF:</b>	255 bp
<b>Locus ID:</b>	3543
<b>UniProt ID:</b>	<u>P15814</u>
<b>Cytogenetics:</b>	22q11.23
<b>Protein Families:</b>	Secreted Protein
<b>Protein Pathways:</b>	Primary immunodeficiency
<b>Gene Summary:</b>	<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> <p>Transcript Variant: This variant (2) lacks an alternate exon compared to variant 1, which causes a frameshift. The resulting isoform (b) is shorter and has a distinct C-terminus compared to isoform a.</p>