

## Product datasheet for **SC111642**

### IGLL1 (NM\_020070) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IGLL1 (NM_020070) 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:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_020070 edited  
 GAATTCGGCAGAGATGGACTGGGGTGAATGGGACAGCTGCTGCCAGCGAGAGGGACCA  
 GGGCACCCTCTCTAGGGAGCCACACTGCAAGTCAGGCCACAAGGACCTCTGACCCTGA  
 GGGCCGATGAGGCCAGGGACAGGCCAGGGGGCCCTTGAGGCCCTGGTGAGCCAGCCCCC  
 AACCTCAGGCAGCGCTGGCCCTGCTGCTGCTGGGTCTGGCCGTGGTAACCCATGGCCTG  
 CTGCGCCAACAGCTGCATCGCAGAGCAGGGCCCTGGGCCCTGGAGCCCTGGAGGAAGC  
 AGCCGGTCCAGCCTGAGGAGCCGGTGGGGCAGCAGGTTCTGCTCCAGCGCGGCTCCTGG  
 ACTGGCCCCAGGTGCTGGCCCCGGGGTTTCAATCCAAGCATAACTCAGTGACGCATGTG  
 TTTGGCAGCGGGACCCAGCTCACCGTTTTAAGTCAGCCAAGGCCACCCCTCGGTCCT  
 CTGTTCCCGCCTCCTCTGAGGAGCTCCAAGCCAACAAGGCTACACTGGTGTGTCTCATG  
 AATGACTTTTATCCGGGAATCTTGACGGTGACCTGGAAGGCAGATGGTACCCCCATCACC  
 CAGGGCGTGGAGATGACCACGCCCTCAAACAGAGCAACAACAAGTACGCGGCCAGCAGC  
 TACCTGAGCCTGACGCCCGAGCAGTGGAGTCCCAGAAAGCTACAGCTGCCAGGTCATG  
 CACGAAGGGAGCACCGTGGAGAAGACGGTGGCCCTGCAGAATGTTTCATAGGTTCCACG  
 CCCGACCCACCCAAAGGGGCTGGAGCTGCAGGATCCCAGGGGAAGGGTCTCTCTCTGC  
 ATCCCAAGCCATCCAGCCCTTCTCCCTGTACCCAGTAAACCTAAATAAATACCCCTTT  
 GTCAACCAGAAAAAAAAAAAAAAAAAACTCGAC



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_020070 unedited  CGCGTTACAGGCATATTTGTNAATACGAACCTTTACTTTGAGGGNCCGGCCCGNAATTCGG  CACGAGATGGACTGGGGTGAATGGGACAGCTGCTGCCAGCGAGAGGGACCAGGGCACCA  CTCTCTAGGGAGCCACACTGCAAGTCAGGCCACAAGGACCTCTGACCCTGAGGGCCGAT  GAGGCCAGGGACAGGCCAGGGGGCCCTTGGGCCCTGGTGAGCCAGGCCCAACCTCAG  GCAGCGCTGGCCCTGCTGCTGCTGGGTCTGGCCGTGGTAACCCATGGCCTGCTGCGCCC  AACAGCTGCATCGCAGAGCAGGGCCCTGGGCCCTGGAGCCCTGGAGGAAGCAGCCGGTC  CAGCCTGAGGAGCCGGTGGGGCAGCAGGTTCTGCTCCAGCGCGCTCCTGGACTGGCCC  CAGGTGCTGGCCCGGGGTTTCAATCCAAGCATAACTCAGTGACGCATGTGTTTGGCAG  CGGGACCCAGCTCACCGTTTTAAGTCAGCCCAAGGCCACCCCTCGGTCACTCTGTTCCC  GCCGCTCTGAGGAGCTCCAAGCCAACAAGGCTACACTGGTGTGTCTCATGAATGACTT  TTATCCGGGAATCTTGACGGTGACCTGGAAGGCAGATGGTACCCCATCACCCAGGGCGT  GGAGATGACCACGCCCTCCANACAGAGCAACAACAAGTACGCGGCCAGCAGCTACCTGAG  CCTGACGCCGAGCAGTGGAGGTCCCGCAGAAGCTACAGCTGCCAGGTCTGCACGAAAG  GAGCACCGTGGAGAAGACGGTGGCCCTGCAGAAATGTCATAGGTTCCCAGCCCCGACCC  CACCCAAAGGGCCTGGAGCTGCAAGATCCANGGGAAGGTCTTCTCTGCATCCCAGCCA  TNCAGCCTTCTNCTGTACCCATAAACCCATAATAATACC</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_020070 unedited  TGGGGCCCAATACCGCTACTTTCCCCCCCCGGAATCGTGTNCCGCGGCCGATTTTAT  GATCGGTTTTTTTTTTTTTTTTTTTCTGGGTGACAAACAGGTTTTTATTTAGGGTTACTG  GGGTACAGGGTAGAAAGGGGCTGGTATGGCCTTGGGCATGCACGAGAGAGACCCTTCCCC  TGGGATCTGCAGCTCCAGGCCCTTTGGGTGGGGTGGGGCTGGGAACCTATGAACATT  CTGCAGGGGCCACCGTCTTCTTTACTGTCTCCCTTCGTGCATGACCTGGCAGCTGAGC  TTCTGCGGGACCTCCACTGCTCGGGCGTCAGGCTCAGGTAGCTGCTGGCCGCTACTTGT  TGTTGCTCTGTTTGGAGGGCGTGGTCACTCCACGCCCTGGGTGATGGGGTACCATTTG  CCTTCCAGGTCACCGTCAAGATTTCCCGGATAAAAGTCATTCATGAGACACACCAGTGTAG  CCTTGTGGCTTGGAGCTCCTCATAGGACGGGGGAACAGAGTGACCGAAGGGGTGGCCT  TGGGCTGACTTAAACGGTGAGCTGGGCCCGCTGCCAAAACACATGCCGCACTGAGTATGC  TTGGATTGAACCCCGGGGCCAGCACCTGGGGCCAGTCCAGGAGCCGCGCTGGACCAGG  ACCCTGCTTCCCCACCGCTCCCTCAGCTTGGACCGCTTGCTTTCTTCCAGGGCCCTCC  AGGGGCCAGGGCCCTGCTTTGGCATGCAATTTGTTGGCCCCCAGGCCATTGGTTACC  ACGGCCAAACCCCCACACCAAGGGCCCCCTTCCCTGAGGTTGGGGCCCGGCCTCCAC  AGGGGCCCAAGGGCCCTGGCCTTGGCCTTGGCCCTAATCGGCCCTTAGGGTCAAAAA  GTCCCTTGGGGCCGAATTCACCGGGGGGCCCTCTAAAAGGGGGCCCTGGGCCCT  TTTCTTGGAGACCAGATGTTCCATTTGACCCTCAGAACCCTCTTTTGCCTCAATTTACG  GGCCCCCTCTATAGGCAGG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_020070
<b>Insert Size:</b>	980 bp
<b>OTI Disclaimer:</b>	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).
<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).

**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\\_020070.2](#), [NP\\_064455.1](#)

**RefSeq Size:** 901 bp

**RefSeq ORF:** 642 bp

**Locus ID:** 3543

**UniProt ID:** [P15814](#)

**Cytogenetics:** 22q11.23

**Domains:** ig, IGc1

**Protein Families:** Secreted Protein

**Protein Pathways:** Primary immunodeficiency

**Gene Summary:** 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]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).