

## Product datasheet for SC103037

### IGLL1 (BC030984) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IGLL1 (BC030984) Human Untagged Clone
Tag:	Tag Free
Symbol:	IGLL1
Synonyms:	IGLV144; V1-16
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC103037 sequence for BC030984 edited (data generated by NextGen Sequencing)

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ATGGCCGGCTTCCCTCTCCTCCTCACCCCTCCTCACTCACTGTGTCAGGGTCTGGGCCAG
TCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCGGCAGAGGTCAACATCTCT
TGTCTGGAAGCAGCTCCGACATCGGAAGTAATTATGTATACTGGTTCAGCANNNTCCCA
GGAACGGCCCCAACTCCTCATCTATAAGAATAATCAGCGGCCCTCAGGGTCCCTGAC
CGATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCGGTCC
GAGGATGAGGCTGATTACTGTGCATCATGGGATGACAGCCTGAGTGNNNNNNNNNNN
TTCGGCGGAGGGACCAAGCTGACCGTCTNNGTCAGCCCAAGGCTGCCCCCTCGGTCAC
CTGTTCCCGCCCTCCTCTGAGGAGCTTCAAGCCAACAAGGCCACACTGGTGTGTCTCATA
AGTGACTTCTACCCGGGAGCCGTGACAGTGGCCTGGAAGGCAGATAGCAGCCCCGTC AAG
GCGGGAGTGGAGACCACCACCCCTCCAACAAAGCAACAACAAGTACGCGGCCAGCAGC
TACCTGAGCCTGACGCCTGAGCAGTGGAAAGTCCCACAGAAGCTACAGCTGCCAGGTCACG
CATGAAGGGAGCACCGTGGAGAAGACAGTGGCCCTACAGAATGTTTCATAG

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Clone variation with respect to BC030984.1

60 a=>g;94 t=>a;135 g=>c;139 a=>g;167 a=>t;173 a=>n;174 a=>n;175 g=>n;209 g=>a;214  
g=>a;328 g=>t;350 t=>n;351 c=>n;352 c=>n;353 a=>n;354 t=>n;355 g=>n;356 t=>n;357  
g=>n;358 g=>n;359 t=>n;360 a=>n;378 a=>g;390 c=>n;391 a=>n;429 a=>g;638 a=>g



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC030984 unedited TTTGTAATACGACTTTCTATAGGGCGGCCGGAATTCGGCACGAGGGACAGGATTCAGGA CAATCTCCAGCATGGCCGGCTTCCCTCCTCCTCACCCTCCTCACTCACTGTGCAGGGT CCTGGGCCAGTCTGTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCGGGCAGAGGG TCACCATCTCTTGTCTGGAAGCAGCTCCGACATCGGAAGTAATTATGTATACTGGTTCC AGCAGTCCCAGGAACGGCCCCAAACTCCTCATCTATAAGAATAATCAGCGGCCCTCAG GGGTCCCTGACCGATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTG GGCTCCGGTCCGAGGATGAGGCTGATTACTGTGCATCATGGGATGACAGCCTGAGTG CCTGGGTGTTCCGGCGGAGGGACCAAGCTGACCGTCTTAGGTGAGCCCAAGGCTGCCCCCT CGGTCACTCTGTTCCCGCCCTCCTCTGAGGAGCTTCAAGCCAACAAGGCCACACTGGTGT GTCTATAAGTGACTTCTACCCGGGAGCCGTGACAGTGGCCTGGGAGGCAGATAGCAGCC CCGTCAAGGCGGGAGTGGAGACCACCACACCCTCAAACAAGCAACAACAAGTACGCGG CCAGCAGTACCTGAGCCTGACGCCTGAGCAGTGAAGTCCCACAGAAGCTACAGCTGCC AGGTCACGCATGAAGGGAGCCACCGTGGAGAAGACCAGTCCCCCTACAGAATGTTATA GGTTCACAACCTCACCCCCACACGGGAGACTAGAGCTGCAGGATCCCAGGGGAGGGGT CTCCTCCCACCCAGGCATCAAGCCCTTCTCCTGCACTCCATAACCCTCAATAATATC CTCATTGTCATCCGAAAAANANANNCNANAAAAAACCCCTACCTGCTTCG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	BC030984
<b>Insert Size:</b>	1000 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).
<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>	<a href="#">BC030984.1</a> , <a href="#">AAH30984.1</a>
<b>RefSeq Size:</b>	924 bp
<b>RefSeq ORF:</b>	924 bp
<b>Locus ID:</b>	3543
<b>Cytogenetics:</b>	22q11.23
<b>Domains:</b>	ig
<b>Protein Families:</b>	Secreted Protein
<b>Protein Pathways:</b>	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]