

## Product datasheet for **RC212951**

### IGLL1 (NM\_152855) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IGLL1 (NM_152855) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IGLL1
Synonyms:	14.1; AGM2; CD179b; IGL1; IGL5; IGLJ14.1; IGLL; IGO; IGVPB; VPREB2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<p>&gt;RC212951 representing NM_152855  <b>Red</b>=Cloning site <b>Blue</b>=ORF <b>Green</b>=Tags(s)</p> <p>TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC<b>CGATCGCC</b></p> <p><b>ATGAGGCCAGGGACAGGCCAGGGGGCCTTGAGGCCCTGGTGAGCCAGGCCCAACCTCAGGCAGCGCTGGCCCCCTGCTGCTGGGTCTGGCCGTGGTAACCCATGGCCTGCTGCGCCCAACAGCTGCATCGCAGAGCAGGGCCCTGGGCCCTGGAGCCCTGGAGGAAGCAGCCGGTCCAGCCTGAGGAGCCGGTGGGGCAGGTCAGCCCAAGGCCACCCCTCGGTCACTCTGTTCCCGCCGTCCTC</b></p> <p><b>ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA</b></p>
Protein Sequence:	<p>&gt;RC212951 representing NM_152855  <b>Red</b>=Cloning site <b>Green</b>=Tags(s)</p> <p>MRPGTGQGGLEAPGEPGNLRQRWPLLLLGLAVVTHGLLRPTAASQSRALGPGAPGGSSRSLRSRWGRSAQGHPLGHSVPAVL</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Restriction Sites:	Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_152855

**ORF Size:** 252 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**

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\\_152855.3](#)

**RefSeq Size:** 799 bp

**RefSeq ORF:** 255 bp

**Locus ID:** 3543

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

**Cytogenetics:** 22q11.23

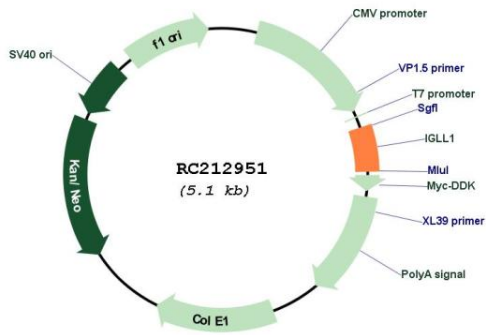
**Protein Families:** Secreted Protein

**Protein Pathways:** Primary immunodeficiency

**MW:** 8.6 kDa

**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]

Product images:



Circular map for RC212951