

## Product datasheet for **TR307159**

### IGLL1 Human shRNA Plasmid Kit (Locus ID 3543)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	IGLL1 Human shRNA Plasmid Kit (Locus ID 3543)
Locus ID:	3543
Synonyms:	14.1; AGM2; CD179b; IGL1; IGL5; IGLJ14.1; IGLL; IGO; IGVPB; VPREB2
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	IGLL1 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 3543). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	<a href="#">BC007782</a> , <a href="#">BC012876</a> , <a href="#">BC020233</a> , <a href="#">BC030984</a> , <a href="#">BC054883</a> , <a href="#">BC054893</a> , <a href="#">NM_020070</a> , <a href="#">NM_152855</a> , <a href="#">NM_020070.1</a> , <a href="#">NM_020070.2</a> , <a href="#">NM_020070.3</a> , <a href="#">NM_152855.1</a> , <a href="#">NM_152855.2</a> , <a href="#">BC012293</a> , <a href="#">BC030239</a> , <a href="#">NM_001369906</a> , <a href="#">NM_152855.3</a> , <a href="#">NM_020070.4</a>
UniProt ID:	<a href="#">P15814</a>
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]
shRNA Design:	These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .



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**Performance  
Guaranteed:**

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at [techsupport@origene.com](mailto:techsupport@origene.com). Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).