

**IGLL1, 38-213aa, Human, His tag, E.coli**

**Cat.NO.: TP02588**

3th Edition

**Synonyms:** Immunoglobulin lambda-like polypeptide 1, 14.1, AGM2, CD179b, IGL1, IGL5, IGLJ14.1, IGLL, IGO, IGVPB, VPB2

**Description:** 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. IGLL1 is 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. Recombinant human IGLL1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

**Molecular Weight:** 21.5 kDa (199aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSLLRPTAASQSRALGPGAPGGSSRSSLRSRWGRFLLQRGSWTGPRCWPRG  
FQSKHNSVTHVFGSGTQLTVLSQPKATPSVTLFPPSSEELQANKATLVCLMNDFYPGILVTWKADGTPITQGVEM  
TTPSKQSNKYAASSYLSLTPEQWRSRRSYSCQVMHEGSTVEKTVAPAECS

**Purity:** > 95% by HPLC

**Concentration:** 1 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.