

Recombinant Human IGLL1, His-tagged

Cat. No. IGLL1-7554H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human IGLL1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
Protein Length	38-213aa
Antigen 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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Molecular Mass	21.5 kDa (199aa)

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AA Sequence	MGSSHHHHHH SSSLVPRGSH MGSLLRPTAA SQRALGPGA PGGSSRSSLR SRWGRFLLQR GSWTGPCRWP RGFQSKHNSV THVFGSGTQL TVLSQPKATP SVTLFPPSSE ELQANKATLV CLMNDFYPGI LTVTWKADGT PITQGVEMTT PSKQSNKYA ASSYLSLTPE QWRSRRSYSC QVMHEGSTVE KTVAPAECS
Purity	>85% as determined by SDS - PAGE
Applications	SDS-PAGE
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.
Concentration	1 mg/ml

GENE INFORMATION

Gene Name	IGLL1 immunoglobulin lambda-like polypeptide 1 [Homo sapiens]
Official Symbol	IGLL1
Synonyms	IGLL1; immunoglobulin lambda-like polypeptide 1; IGLL; 14.1; CD179B; IGL5; IGVPB; lambda5; ig lambda-5; CD179b antigen; CD179 antigen-like family member B; Pre-B lymphocyte-specific protein-2; immunoglobulin-related 14.1 protein; immunoglobulin-related protein 14.1; immunoglobulin omega polypeptide chain; IGO; AGM2; IGL1; CD179b; VPRESB2; IGLJ14.1;
Gene ID	3543
mRNA Refseq	NM_020070
Protein Refseq	NP_064455

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MIM	146770
UniProt ID	P15814
Chromosome Location	22q11.23
Pathway	Primary immunodeficiency, organism-specific biosystem; Primary immunodeficiency, conserved biosystem;

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