

## Recombinant Human CD79b molecule, immunoglobulin-associated beta, His-tagged

Cat. No. CD79B-397H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	CD79B, 29-159aa, Human, His tag, E.coli
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	29-159 a.a.
<b>Description</b>	CD79B, also known as Igb and B29, is a 36 kDa transmembrane glycoprotein in the immunoglobulin superfamily. Heterodimers of CD79A and CD79B associate with a membrane bound immunoglobulin on the B cell surface to form the B cell antigen receptor complex(BCR). CD79A and CD79B are required for BCR-mediated signaling and consequently for the development and activation of B lineage cells. Recombinant human CD79B protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2M UREA, 10% glycerol
<b>Molecular Mass</b>	17.7 kDa (155aa)
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMARSEDR YRNPKGSACS RIWQSPRFIA RKRGFVTKMH CYMNSASGNV SWLWKQEMDE NPQQLKLEKG RMEESQNESL ATLTIQGIRF EDNGIYFCQQ KCNNTSEVYQ GCGTELVRMG FSTLAQLKQR NTLKD
<b>Purity</b>	>90% by SDS - PAGE

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<b>Storage</b>	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay)
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CD79B CD79b molecule, immunoglobulin-associated beta [ Homo sapiens ]
<b>Official Symbol</b>	CD79B
<b>Synonyms</b>	CD79B; CD79b molecule, immunoglobulin-associated beta; CD79B antigen (immunoglobulin associated beta) , IGB; B-cell antigen receptor complex-associated protein beta chain; B29; Ig-beta; B-cell-specific glycoprotein B29; immunoglobulin-associated B29 protein; CD79b antigen (immunoglobulin-associated beta); IGB; AGM6;
<b>Gene ID</b>	974
<b>mRNA Refseq</b>	NM_000626
<b>Protein Refseq</b>	NP_000617
<b>MIM</b>	147245
<b>UniProt ID</b>	P40259
<b>Chromosome Location</b>	17q23
<b>Pathway</b>	Adaptive Immune System, organism-specific biosystem; Antigen Activates B Cell

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Receptor Leading to Generation of Second Messengers, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; B cell receptor signaling pathway, organism-specific biosystem; B cell receptor signaling pathway, conserved biosystem; BCR signaling pathway, organism-specific biosystem; Immune System, organism-specific biosystem;

**Function**

transmembrane signaling receptor activity;

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