

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

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

SPECIFICATION

Product Overview	CD79B, 29-159aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	29-159 a.a.
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2M UREA, 10% glycerol
Molecular Mass	17.7 kDa (155aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMARSEDR YRNPKGSA SCS RIWQSPRFIA RKRGF TVKMH CYMNSASGNV SWLWKQEMDE NPQQLKLEKG RMEESQNESL ATLTIQGIRF EDNGIYFCQQ KCNNTSEVYQ GCGTEL RVMG FSTLAQLKQR NTLKD
Purity	>90% by SDS - PAGE

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Storage	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.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	CD79B CD79b molecule, immunoglobulin-associated beta [Homo sapiens]
Official Symbol	CD79B
Synonyms	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;
Gene ID	974
mRNA Refseq	NM_000626
Protein Refseq	NP_000617
MIM	147245
UniProt ID	P40259
Chromosome Location	17q23
Pathway	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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