Recombinant Human CD79B Protein, C-His-tagged

Cat. No. CD79B-209H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD79B Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	The B cell antigen receptor (BCR) is composed of membrane immunoglobulin molecules non-covalently associated with the heterodimeric signaling component, CD79A and CD79B (also known as Igα and Igβ, respectively). The presence of this receptor complex is essential for B cell development and function. Following antigen binding, CD79A/CD79B heterodimers are phosphorylated and initiate intracellular signaling through Src family kinases, Lyn, Blk, and Fyn, as well as Syk and Btk tyrosine kinases. The complexity of BCR signaling results in a variety of distinct cellular functions, such as proliferation, tolerance, apoptosis, and differentiation. BCR-antigen ligation also leads to internalization of the complex, trafficking to late endosomes, and antigen presentation in major histocompatibility molecules on the B cell surface. CD79B enhances the phosphorylation of CD79A. Alternatively spliced transcript variants encoding different isoforms of CD79B have been identified. CD79B is widely expressed on B cell malignancies and may serve as a target for therapeutic intervention.
Molecular Mass	~14 kDa
AA Sequence	ARSEDRYRNPKGSACSRIWQSPRFIARKRGFTVKMHCYMNSASGNVSWLWKQEM

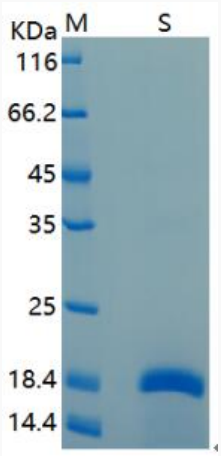
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	DENPQQLKLEKGRMEESQNESLATLTIQGIRFEDNGIYFCQQKCNNTSEVYQGCGT ELRVMGFSTLAQLKQRNTLKD
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name	CD79B CD79b molecule, immunoglobulin-associated beta [Homo sapiens (human)]
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

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Protein Refseq	NP_000617
MIM	147245
UniProt ID	P40259
SDS-PAGE	 SDS-PAGE Result

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