

Recombinant Human CD79B/B29 Protein (His Tag)

Catalog Number:PKSH032224



Note: Centrifuge before opening to ensure complete recovery of vial contents.

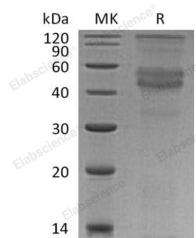
Description

Synonyms	B-Cell Antigen Receptor Complex-Associated Protein Beta Chain;B-Cell-Specific Glycoprotein B29;Ig-Beta;Immunoglobulin-Associated B29 Protein;CD79b;CD79B;B29;IGB
Species	Human
Expression Host	HEK293 Cells
Sequence	Ala29-Asp159
Accession	P40259
Calculated Molecular Weight	16.3 kDa
Observed molecular weight	25-36 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Reconstitution	Please refer to the specific buffer information in the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

CD79B is a single-pass type I membrane protein. CD79B contains one Ig-like V-type domain and one ITAM domain. CD79B is required in cooperation with CD79A for initiation of the signal transduction cascade activated by the B-cell antigen receptor complex (BCR), which leads to internalization of the complex, trafficking to late endosomes and antigen presentation. CD79B enhances phosphorylation of CD79A, possibly by recruiting kinases that phosphorylate CD79A or by recruiting proteins that bind to CD79A and protect it from dephosphorylation.

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