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Datasheet for ABIN7319686

**B-Cell Linker Protein (BLNK) (His tag)**

## Overview

Quantity:	50 µg
Target:	B-Cell Linker (BLNK)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This B-Cell Linker protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human BLNK/Ly-57 Protein (His Tag)
Sequence:	Met1-Ser456
Characteristics:	Recombinant Human BLNK is produced by our E.coli expression system and the target gene encoding Met1-Ser456 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	B-Cell Linker (BLNK)
Alternative Name:	BLNK/Ly-57 ( <a href="#">BLNK Products</a> )
Background:	Background: B-Cell Linker Protein (BLNK) is a cell membrane protein which contains 1 SH2 domain. BLNK is expressed in B cells and fibroblast cell lines, playing a important role in B cell receptor signaling. BLNK as a central linker protein, downstream of the B-cell receptor (BCR),

## Target Details

bridges the SYK kinase to a multitude of signaling pathways and regulating biological outcomes of B-cell function and development. BLNK associates with the activation of ERK/EPHB2, MAP kinase p38 and JNK, modulates AP1, NF-kappa-B and NFAT activation. BLNK involves in BCR-mediated PLCG1 and PLCG2 activation and Ca<sup>2+</sup> mobilization and is required for trafficking of the BCR to late endosomes. BLNK deficiency results in agammaglobulinemia type 4 and much more profound block in B-cell development.

Synonym: B-Cell Linker Protein, B-Cell Adapter Containing a SH2 Domain Protein, B-Cell Adapter Containing a Src Homology 2 Domain Protein, Cytoplasmic Adapter Protein, Src Homology 2 Domain-Containing Leukocyte Protein of 65 kDa, SLP-65, BLNK, BASH, SLP65

Molecular Weight: 51.5 kDa

UniProt: [Q8WV28](#)

Pathways: [BCR Signaling](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 1 mM DTT, pH 7.2.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: 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.