

Recombinant Human BLNK Protein, His-tagged

Cat. No. BLNK-406H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BLNK, transcript variant 1, fused with C-terminal His was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a cytoplasmic linker or adaptor protein that plays a critical role in B cell development. This protein bridges B cell receptor-associated kinase activation with downstream signaling pathways, thereby affecting various biological functions. The phosphorylation of five tyrosine residues is necessary for this protein to nucleate distinct signaling effectors following B cell receptor activation. Mutations in this gene cause hypoglobulinemia and absent B cells, a disease in which the pro- to pre-B-cell transition is developmentally blocked. Deficiency in this protein has also been shown in some cases of pre-B acute lymphoblastic leukemia. Alternatively spliced transcript variants have been found for this gene.
Form	Lyophilized from a 0.2 M filtered solution of 20mM PB, 150mM NaCl, 1mM DTT, pH 7.2
Molecular Mass	51.5kD
AA Sequence	MDKLNKITVPASQKLRQLQKMHVDIKNNEGGIMNKIKKLKVKAPPSVPRRDYASESP ADEEQQWSDDFDSDYENPDEHSDSEMYVMPAEENADDSYEPPEVEQETRPVHPA LPFARGEYIDNRSSQRHSPPFSTLPSKPSWPSEKARLTSTLPALTALQKPQVPPKP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KGLLEADYVVPVEDNDENYIHPTESSPPPEKAPMVNRSTKPNSSTPASPPGTA
SGRNSGAWETKSPPPAAPSPLPRAGKKPTTP

Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

Concentration Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name BLNK B-cell linker [Homo sapiens]

Official Symbol BLNK

Synonyms BLNK; B-cell linker; B-cell linker protein; B cell adaptor containing SH2 domain; B cell activation; B cell adapter containing a SH2 domain protein; BASH; bca; BLNK s; Ly57; SLP 65; SLP65; Src homology [SH2] domain containing leukocyte protein of 65 kD; B-cell activation; B cell linker protein; cytoplasmic adapter protein; B-cell adapter containing a SH2 domain protein; B-cell adapter containing a Src homology 2 domain protein; Src homology 2 domain-containing leukocyte protein of 65 kDa; Src homology [SH2] domain-containing leukocyte protein of 65 kD; AGM4; LY57; BLNK-S; SLP-65; MGC111051;

Gene ID 29760

mRNA Refseq NM_013314

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_037446
MIM	604515
UniProt ID	Q8WV28

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA