Recombinant Human BLNK, GST-tagged

Cat. No. BLNK-10240H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BLNK protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-456a.a.
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.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

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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_001114094
Protein Refseq	NP_001107566
MIM	604515
UniProt ID	Q8WV28
Chromosome Location	10q23.2-q23.33
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen Activates B Cell Receptor Leading to Generation of Second Messengers, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; B cell

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	receptor signaling pathway, organism-specific biosystem; B cell receptor signaling pathway, conserved biosystem; BCR signaling pathway, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem;
Function	SH3/SH2 adaptor activity; SH3/SH2 adaptor activity; protein binding; transmembrane receptor protein tyrosine kinase adaptor activity;

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