

Recombinant Full Length Human BLNK Protein, GST-tagged

Cat. No. BLNK-1709HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BLNK full-length ORF (AAH18906.1, 1 a.a. - 456 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	456 amino acids
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 encoding different isoforms have been found for this gene.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	76.9 kDa
AA Sequence	MDKLNKITVPASQKLRQLQKMVHDIKNNEGGIMNKIKKLKVKAPPSVPRRDYASESP ADEEQQWSDDFDSDYENPDEHSDSEMYVMPAEENADDSYEPPEQETRVPVHPA

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LPFARGEYIDNRSSQRHSPPFSTLPSKPSWPSEKARLTSTLPALTALQKPQVPPKP
KGLLEDEADYVVPVEDNDENYIHPTESSPPPEKAPMVNRSTKPNSSPTASPPGTA
SGRNSGAWETKSPPPAAPSPLPRAGKKPTTLPKTTTPVASQQNASSVCEEKPIPAER
HRGSSHRQEAVQSPVFPPAQKQIHQKPIPLPRFTEGGNPTVDGPLPSFSSNSTISEQ
EAGVLCKPWYAGACDRKSAEEALHRSNKDGSFLIRKSSGHDSKQPYTLVVFFNKR
YNIPVRFIEATKQYALGRKKNGEYFGSVAEIIRNHQHSPLVLIDSQNNTKDSTRLKY
AVKVS

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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mRNA Refseq	NM_001114094
Protein Refseq	NP_001107566
MIM	604515
UniProt ID	Q8WV28

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