

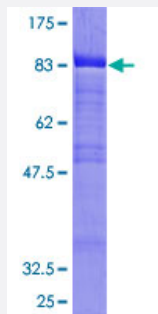
Full-Length

BLNK (Human) Recombinant Protein (P01)

Catalog # H00029760-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human BLNK full-length ORF (AAH18906.1, 1 a.a. - 456 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDKLNKITVPASQKLRQLQKMOVHDIKNNEGGIMNKIKKLVKAPPSVPRRDYASESPADEEQQWS
DDFDSDYENPDEHSDSEMYVMPAEENADDSYEPPVVEQETRPVHPALPFARGEYDNRSSQRH
SPPFSKTLPSKPSWPSEKARLTSTLPALTALQKPQVPPKPKGLLEADYVVPVEDNDENYIHPT
ESSSPPEKAPMVNRSTKPNSSTPASPPGTASGRNSGAWETKSPPPAAPSPLPRAGKKPTTPL
KTPVASQQNASSVCEEKPIPAERHRGSSHRQEAVQSPVFPPAQKQIHQKPIPLPRFTEGGNPTV
DGPLPSFSSNSTISEQEAGVLCKPWYAGACDRKSAEEALHRSNKDGSFLIRKSSGHDSKQPYTL
VVFENKRVNIPVRFIEATKQYALGRKKNGEEYFGSVAEIIIRNHQHSPLVLIDSQNNTKDKSTRLKYAV
KVS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

76.9

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — BLNK

Entrez GeneID[29760](#)**GeneBank Accession#**[BC018906.2](#)**Protein Accession#**[AAH18906.1](#)**Gene Name**

BLNK

Gene Alias

BASH, BLNK-S, LY57, MGC111051, SLP-65, SLP65

Gene Description

B-cell linker

Omim ID[604515](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

B cell linker protein|B-cell adapter containing a SH2 domain protein|B-cell adapter containing a Src homology 2 domain protein|OTTHUMP00000020167|Src homology 2 domain-containing leukocyte protein of 65 kDa

Pathway

- [B cell receptor signaling pathway](#)
- [Primary immunodeficiency](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)