

Recombinant human BLNK protein

Catalog Number: ATGP0915

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-456aa

UniProt No.

Q8WV28

NCBI Accession No.

AAH18906.1

Alternative Names

B-cell linker, BASH, BLNK-S, LY57, MGC111051, SLP-65, SLP65

PRODUCT SPECIFICATION

Molecular Weight

52.6 kDa (476aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT, 0.1mM PMSF

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

BLNK, also known as B-cell linker, is essential for normal B-cell development. This protein has been shown to associate with the effector proteins GRB2, Vav, NCK and PLC gamma following activation of the B cell receptor. It is phosphorylated by the Syk tyrosine kinase, which in turn permits activation of downstream effector proteins including GRB2 and PLC gamma. Recombinant human BLNK protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MDKLNKITVP ASQKLRQLQK MVHDIKNNEG GIMNKIKKLLK VKAPPSVPRR
DYASESPADE EQQWSDDFDS DYENPDEHSD SEMYVMPAEE NADDSYEPPP VEQETRPVHP ALPFARGEYI DNRSSQRHSP
PFSKTLPSKP SWPSEKARLT STLPALTALQ KPQVPPKPKG LLEDEADYV VVEDNDENYI HPTESSPPP EKAPMVNRST
KPNSSTPASP PGTASGRNSG AWETKSPPPA APSPLPRAGK KPTTPLKTPP VASQQNASSV CEEKPIPAER HRGSSHRQEA
VQSPVFPPAQ KQIHQKPIPL PRFTEGGNPT VDGPLPSFSS NSTISEQEAG VLCKPWYAGA CDRKSAAEAL HRSNKDGSFL
IRKSSGHDSK QPYTLVFFN KRVYNIPVRF IEATKQYALG RKKNGEEYFG SVAEIIRNHQ HSPLVLIDSQ NNTKDSTRLK
YAVKVS

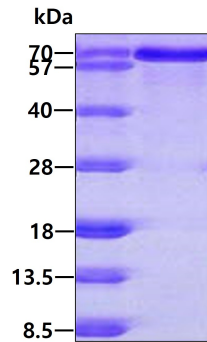
General References

Kurosaki T, et al. (1997) *Curr. Opin. Immunol.*, 9:309-318.

Fu C, et al. (1998). *Immunity*. 9:93-103.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.