

Datasheet for ABIN7565129

B-Cell Linker Protein (BLNK) (AA 1-457) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	B-Cell Linker (BLNK)
Protein Characteristics:	AA 1-457
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This B-Cell Linker protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Blnk Protein expressed in mammalian cells.
Sequence:	MDKLNKITVP ASQKLRQLQK MVHDIKNNEG GIMDKIKKLLK VKGPPSVPRR DYALDSPADE EEQWSDDFDS DYENPDEHSD SEMYVMPAEE TGDDSYEPPP AEQQTRVVHP ALPFTRGEYV DNRSSQRHSP PFSKTLPSKP SWPSAKARLA STLPAPNSLQ KPQVPPKPKD LLEDEADYVV PVEDNDENYI HPRESSPPPA EKAPMVNRST KPNSSSKHMS PPGTVAGRNS GWWDSKSSLP AAPSPLPRAG KKPATPLKTT VVPLPNASN VCEEKVPVPAE RHRGSSHRQD TVQSPVFPPPT QKPVHQKPVV LPRFPEAGSP AADGPFHSFP FNSTFADQEA ELLGKPWYAG ACDRKSAAEA LHRSNKDGsf LIRKSSGHDS KQPYTLVAFF NKRVYNIPVR FIEATKQYAL GKKNNGEEYF GSVVEIVNSH QHNPLVLIDS QNNTKDSTRL KYAVKVS Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

isoform, please contact us regarding an individual offer.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

B-Cell Linker (BLNK)

Alternative Name:

Blnk ([BLNK Products](#))

Background:

B-cell linker protein (B-cell adapter containing a SH2 domain protein) (B-cell adapter containing a Src homology 2 domain protein) (Cytoplasmic adapter protein) (Lymphocyte antigen 57) (Src homology 2 domain-containing leukocyte protein of 65 kDa) (Slp-65),FUNCTION: Functions as a central linker protein, downstream of the B-cell receptor (BCR), bridging the SYK kinase to a multitude of signaling pathways and regulating biological outcomes of B-cell function and development. Plays a role in the activation of ERK/EPHB2, MAP kinase p38 and JNK. Modulates AP1 activation. Important for the activation of NF-kappa-B and NFAT. Plays an important role in BCR-mediated PLCG1 and PLCG2 activation and Ca(2+) mobilization and is required for trafficking of the BCR to late endosomes. However, does not seem to be required for pre-BCR-mediated activation of MAP kinase and phosphatidylinositol 3 (PI3) kinase signaling. May be required for the RAC1-JNK pathway. Plays a critical role in orchestrating the pro-B cell to pre-B cell transition. May play an important role in BCR-induced B-cell apoptosis.

Target Details

{ECO:0000269|PubMed:12761551, ECO:0000269|PubMed:18369315, ECO:0000269|PubMed:9705962}.

Molecular Weight: 50.7 kDa

UniProt: [Q9QUN3](#)

Pathways: [BCR Signaling](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months