

BLNK Protein, Human (His)

Cat. No.:	HY-P7667
Synonyms:	rHuBLNK, His; BLNK; BASH; SLP65
Species:	Human
Source:	E. coli
Accession:	AAH18906 (M1-S456)
Gene ID:	29760
Molecular Weight:	40-80 kDa

PROPERTIES

AA Sequence	<pre> MDKLNK I T V P A S Q K L R Q L Q K M V H D I K N N E G G I M N K I K K L K V K A P P S V P R R D Y A S E S P A D E E Q Q W S D D F D S D Y E N P D E H S D S E M Y V M P A E E N A D D S Y E P P P V E Q E T R P V H P A L P F A R G E Y I D N R S S Q R H S P P F S K T L P S K P S W P S E K A R L T S T L P A L T A L Q K P Q V P P K P K G L L E D E A D Y V V P V E D N D E N Y I H P T E S S S P P P E K A P M V N R S T K P N S S T P A S P P G T A S G R N S G A W E T K S P P P A A P S P L P R A G K K P T T P L K T T P V A S Q Q N A S S V C E E K P I P A E R H R G S S H R Q E A V Q S P V F P P A Q K Q I H Q K P I P L P R F T E G G N P T V D G P L P S F S S N S T I S E Q E A G V L C K P W Y A G A C D R K S A E E A L H R S N K D G S F L I R K S S G H D S K Q P Y T L V V F F N K R V Y N I P V R F I E A T K Q Y A L G R K K N G E E Y F G S V A E I I R N H Q H S P L V L I D S Q N N T K D S T R L K Y A V K V S H H H H H H </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

B-cell linker protein (BLNK), also known as SLP-65, BASH and BCA, is a B-cell adaptor molecule that links the cytoplasmic protein tyrosine kinases (PTKs) with phosphorylation of downstream effector molecules and plays a crucial role in the BCR signalling system^[2].

REFERENCES

- [1]. Soini L, et al. A biophysical and structural analysis of the interaction of BLNK with 14-3-3 proteins. *J Struct Biol.* 2020;212(3):107662.
- [2]. Taguchi T, et al. Deficiency of BLNK hampers PLC-gamma2 phosphorylation and Ca²⁺ influx induced by the pre-B-cell receptor in human pre-B cells. *Immunology.* 2004;112(4):575-582.
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Caution: Product has not been fully validated for medical applications. For research use only.

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