

For Research Use Only

Recombinant Human BLNK protein (rFc Tag)



Catalog Number: Eg6610

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Human BLNK protein Ser330-Ser456 (Accession# Q8WV28-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
29760

Accession:
Q8WV28-1

Predicted Molecular Mass:
39.9 kDa

SDS-PAGE:
42-50 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

BLNK (also known as SLP-65 or BASH) is an important adaptor protein selectively expressed in B-lineage cells. BLNK bridges B cell receptor-associated kinase activation with downstream signaling pathways, thereby affecting various biological functions. BLNK has been shown to be necessary for BCR-mediated Ca²⁺ mobilization, for the activation of mitogen-activated protein kinases such as ERK, JNK, and p38 in a chicken B cell line DT40, and for activation of transcription factors such as NF-AT and NF- κ B in human or mouse B cells.

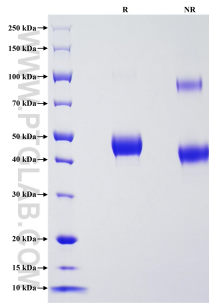
References

1. Baba, Y et al. Proc Natl Acad Sci U S A. vol. 98,5 (2001): 2582-6.
2. Nakayama, Joji et al. Blood. 2009;113(7):1483-1492.
3. Minegishi, Y et al.. Science. 1999;286(5446):1954-1957.

Synonyms

BASH, B-cell adapter containing a SH2 domain protein, B-cell adapter containing a Src homology 2 domain protein, B-cell linker protein, Cytoplasmic adapter protein

Selected Validation Data



Purity of Recombinant Human BLNK was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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