



# Recombinant Mouse B-cell linker protein (Blnk)

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| <b>Product Code</b>      | CSB-EP879429MO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Abbreviation</b>      | Blnk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Uniprot No.</b>       | Q9QUN3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Immunogen Species</b> | Mus musculus (Mouse)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Sequence</b>          | MDKLNKITVP ASQKLRQLQK MVHDIKNNEG GIMDKIKKLK VKGPPSVPRR<br>DYALDSPADE EEQWSDDFDS DYENPDEHSD SEMYVMPAEE<br>TGDDSYEPPP AEQQTRVVHP ALPFTERGEYV DNRSSQRHSP PFSKTLPSKP<br>SWPSAKARLA STLPAPNSLQ KPQVPPKPKD LLEDEADYVV PVEDNDENYI<br>HPRESSPPPA EKAPMVNRST KPNSSSKHMS PPGTVAGRNS<br>GVWDSKSSLP AAPSPPLPRAG KKPATPLKTT PVPPLPNASN VCEEKPVPAE<br>RHRGSSHRQD TVQSPVFPPT QKPVHQKPVP LPRFPEAGSP AADGPFHSFP<br>FNSTFADQEA ELLGKPWYAG ACDRKSAAEA LHRSNKDGSF LIRKSSGHDS<br>KQPYTLVAFF NKRVDYNIPVR FIEATKQYAL GKKNNGEYF GSVVEIVNSH<br>QHNPLVLIDS QNNTKDSTRL KYAVKVS                                                                                                         |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Target Names</b>      | Blnk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Names</b>     | Recommended name: B-cell linker protein Alternative name(s): 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                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Expression Region</b> | 1-457                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Protein Length</b>    | full length protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Target Details</b>    | 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.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.