



Recombinant Rat B-cell linker protein (Blnk)

Product Code	CSB-EP679872RA
Abbreviation	Blnk
Storage	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.
Uniprot No.	Q4KM52
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	MDKLNKITVP ASQKLRQLQK MVHDIKNNEG GIMDKIKKLLK VKGPPSVPRR DYALDNPAD E EQWSDDFDS DYENPDEHSD SEMYVMPAEE TGDDSYEPPP AEQQTRVVHP ALPFTRGEYV DNRSSQRHSP PFSKTLPSKP SWPSAKARLA STLPAPNSLQ KPQVPPKPKD LLEDEADYVV PVEDNDENYI HPRESSPLPA EKAPTVNRST KPNSSSKHVS PPGTVAGRNS GVWDSKSSLP AAPSPLPRAG KKTATPLKTT PVPSLQNASN VCEEKVPVPAE RHRGSSHRQD TVQSPVFPPT QKPV LQKPVP LPRFTEGGSP AADGPVPSFP FNSTFADQEA ELHGKPWYAG ACDRKSAAEA LHRSNKDGSF LIRKSSGHDS KQPYTLVAFF NKR VYNIPVR FIEATKQYAL GKKKNGEYF GSVVEIKNH QHNPLVLIDS QNNTKDSTRL KYAVKVS
Source	E.coli
Target Names	Blnk
Protein Names	Recommended name: B-cell linker protein Alternative name(s): Cytoplasmic adapter protein
Expression Region	1-457
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.



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.

Shelf Life

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