

32-3339: BLNK Recombinant Protein

Alternative Name :

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, Src homology 2 domain-containing leukocyte protein of 65 kDa, SLP-65, BLNK, BASH, SLP65, AG

Description

Source : Escherichia Coli. BLNK Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 476 amino acids (1-456 a.a.) and having a molecular mass of 52.6kDa (Molecular weight on SDS-PAGE will appear higher). The BLNK is purified by proprietary chromatographic techniques. BLNK is a cytoplasmic linker or adaptor protein which has a significant role in B cell development. B-cell linker (BLNK) is essential for normal B-cell development. BLNK bridges B cell receptor-associated kinase activation with downstream signaling pathways, thus affecting different biological functions. BLNK associates with the effector proteins GRB2, Vav, NCK and PLC-g following activation of the B cell receptor. BLNK is phosphorylated by the Syk tyrosine kinase, which in turn permits activation of downstream effector proteins including GRB2 and PLC-g. Mutations in the BLNK gene cause hypoglobulinemia and absent B cells, a disease in which the pro- to pre-B-cell transition is developmentally blocked. Deficiency in the BLNK protein is seen in some cases of pre-B acute lymphoblastic leukemia.

Product Info

Amount :

20 µg

Purification :

Greater than 90.0% as determined by SDS-PAGE.

Content :

The BLNK solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl, 1mM DTT and 0.1mM PMSF.

Storage condition :

BLNK should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid :

MGSSHHHHHH SSGLVPRGSH MDKLNKITVP ASQKLRLQK MVHDIKNNEG GIMNKIKLK VKAPPSVPRR
DYASESPADE EQQWSDDFDS DYENPDEHSD SEMYVMPAEE NADDSYEPPP VEQETRPVHP ALPFARGEYI
DNRSSQRHSP PFSKTLPSKP SWPSEKARLT STLPALTALQ KPQVPPKPKG LLEDEADYVV PVEDNDENYI
HPTSSSPPP EKAPMVNRST KPNSSTPASP PGTASGRNSG AWETKSPPPA APSPLPRAGK KPTTPLKTP
VASQQNASSV CEEKPIPAER HRGSSHRQEA VQSPVFPPAQ KQIHQKPIPL PRFTEGGNPT VDGPLPSFSS
NSTISEQEAG VLCKPWYAGA CDRKSAAEAL HRSNKDGSFL IRKSSGHD SK QPYTLVFFN KRVYNIPVRF
IEATKQYALG RKKNGEYFG SVAEIIRNHQ HSPLVLIDSQ NNTKDSTRLK YAVKVS.

