9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

BLNK Human

B-Cell Linker Human Recombinant
RCP0222

Product Overview

Name	BLNK Human
Description	
B-Cell Linker Human Recombinant	
Accession (Primary)	Q8WV28
Synonyms	
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, AGM4, LY57, BLNK-S, MGC111051.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The BLNK solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl, 1mM DTT and 0.1mM PMSF.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	

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Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MDKLNKITVP ASQKLRQLQK MVHDIKNNEG GIMNKIKKLK VKAPPSVPRR DYASESPADE EQQWSDDFDS DYENPDEHSD SEMYVMPAEE NADDSYEPPP VEQETRPVHP ALPFARGEYI DNRSSQRHSP PFSKTLPSKP SWPSEKARLT STLPALTALQ KPQVPPKPKG LLEDEADYVV PVEDNDENYI HPTESSSPPP EKAPMVNRST KPNSSTPASP PGTASGRNSG AWETKSPPPA APSPLPRAGK KPTTPLKTTP VASQQNASSV CEEKPIPAER HRGSSHRQEA VQSPVFPPAQ KQIHQKPIPL PRFTEGGNPT VDGPLPSFSS NSTISEQEAG VLCKPWYAGA CDRKSAEEAL HRSNKDGSFL IRKSSGHDSK QPYTLVVFFN KRVYNIPVRF IEATKQYALG RKKNGEEYFG SVAEIIRNHQ HSPLVLIDSQ NNTKDSTRLK YAVKVS.

Precautions

BLNK Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8WV28)