

Product datasheet for **AR09855PU-L**

B-cell linker protein / BLNK (1-456, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	B-cell linker protein / BLNK (1-456, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MDKLNKITVP ASQKLRQLQK MVHDIKNNEG GIMNKIKKLLK VKAPPSVPRR DYASESPADE EQQWSDDFDS DYENPDEHSD SEMYVMPAEE NADDSYEPPP VEQETRPVHP ALPFARGEYI DNRSSQRHSP PFSKTLPSKP SWPSEKARLT STLPA TALQ KPQVPPKPKG LLEDEADYVV PVEDNDENYI HPTESSSPPP EKAPMVNRST KPNSSTPASP PGTASGRNSG AWETKSPPPA APSPLPRAGK KPTTLPK TTP VASQQNASSV CEEKPIPAER HRGSSHRQEA VQSPVFPPAQ KQIHQKPIPL PRFTEGGNPT VDGPLPSFSS NSTISEQEAG VLCKPWYAGA CDRKSAEEAL HRSNKDGSFL IRKSSGHDSK QPYTLVFFN KRVYNIPVRF IEATKQYALG RKKNGEYFG SVAEIRNHQ HSPLVLIDSQ NNTKDSTRLK YAVKVS
Tag:	His-tag
Predicted MW:	52.6 kDa
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1 mM DTT, 0.1 mM PMSF
Preparation:	Liquid purified protein
Protein Description:	Recombinant human BLNK protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001107566</u>
Locus ID:	29760
UniProt ID:	<u>Q8WV28</u>



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Cytogenetics: 10q24.1

Synonyms: AGM4; BASH; bca; BLNK-S; LY57; SLP-65; SLP65

Summary: 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 have been found for this gene. [provided by RefSeq, May 2012]

Protein Families: Druggable Genome

Protein Pathways: B cell receptor signaling pathway, Primary immunodeficiency

Product images:

