

32-8051: Recombinant Human B-Cell Linker Protein/BLNK (C-6His)

Gene : BLNK
Gene ID : 29760
Uniprot ID : Q8WV28

Description

Source: E.coli.
MW :51.5kD.

Recombinant Human B-Cell Linker Protein is produced by our E.coli expression system and the target gene encoding Met1-Ser456 is expressed with a 6His tag at the C-terminus. B-Cell Linker Protein (BLNK) is a cell membrane protein which contains 1 SH2 domain. BLNK is expressed in B cells and fibroblast cell lines, playing a important role in B cell receptor signaling. BLNK as a central linker protein, downstream of the B-cell receptor (BCR), bridges the SYK kinase to a multitude of signaling pathways and regulating biological outcomes of B-cell function and development. BLNK associates with the activation of ERK/EPHB2, MAP kinase p38 and JNK, modulates AP1, NF-kappa-B and NFAT activation. BLNK involves in BCR-mediated PLCG1 and PLCG2 activation and Ca²⁺ mobilization and is required for trafficking of the BCR to late endosomes. BLNK deficiency results in agammaglobulinemia type 4 and much more profound block in B-cell development.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 1mM DTT, pH 7.2.
Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.
Storage condition : Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : MDKLNKITVPASQKLRQLQKMHVDIKNNEGIMNKIKLKVKAPPSVPRRDYASESPADEEQWSDDFDSDYE
NPDEHSDSEMYVMPAEENADDSYEPPEQETRPVHPALPFARGEYIDNRSSQRHSPFSKTLPSKPSWPSEKA
RLTSTLPALTALQKQVPPKPKGLLEADYVVPVEDNDENYIHPTSSPPPEKAPMVNRSTKPNSSTPASPPG
TASGRNSGAWETKSPPPAAPSPLPRAGKKPTTLPKTPVASQQNASSVCEEKPIPAERHRGSSHRQEAQVQSPV
PPAQKQIHQKPIPLPRFTEGGNPTVDGPLPSFSSNSTISEQEAGVLCWPYAGACDRKSAAEALHRSNKDGSFLI
RKSSGHDSKQPYTLVFFNKRYYNIPVRFIEATKQYALGRKKNNGEEYFGSVAEIRNHQHSPLVLIDSQNNTKDS
TRLKYAVKVSLEHHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.