

32-2947: BLK Recombinant Protein

Alternative Name : Tyrosine-protein kinase Blk, B lymphocyte kinase, p55-Blk, BLK, MODY11, MGC10442.

Description

Source : Escherichia Coli. BLK Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 525 amino acids (1-505 a.a.) and having a molecular mass of 59.8kDa. BLK is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. B lymphoid kinase (BLK) is a 55kDa tyrosine kinase with SH3, SH2, and catalytic domains which contain consensus sequences of the Src protein tyrosine kinase family. BLK is a nonreceptor tyrosine-kinase belonging to the src family of proto-oncogenes which are typically involved in cell proliferation and differentiation. The BLK protein is expressed specifically in the B cell lineage and has a role in the signal-transduction pathway which is restricted to B lymphoid cells. In addition, BLK stimulates insulin synthesis and secretion in response to glucose and increases the expression of several pancreatic beta-cell transcription factors.

Product Info

Amount : 10 µg

Purification : Greater than 80.0% as determined by SDS-PAGE.

Content : BLK protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 30% glycerol, 0.1M NaCl, 1mM DTT and 0.1mM PMSF.

Storage condition : 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.

Amino Acid : MGSSHHHHHH SGLVPRGSH MGLVSSKKPD KEKPIEKDK GQWSPLKVSA QKDAPPLPP LVVFNHLTPP
PPDEHLEDK HFVVALYDYT AMNDRDLQML KGEKLQVLKG TGDWWLARS LVTGREGYVPS
NFVARVESLE MERWFFRSQG RKEAERQLLA PINKAGSFLI RESETKGAFSLSVKDVTQ GELIKHYKIR
CLDEGGYYIS PRITFPSLQA LVQHYSKKGD GLCQRLTLP VPAPQNPWA QDEWEIPRQS LRLVRKLGSG
QFGEVWMGY KNNMKVAIKT LKEGTMSPEA FLGEANVMKA LQHERLVRLY AVVTKEPIYI VTEYMARGCL
LDFLKTDEGS RLSLPRLIDM SAQIAEGMAY IERMNSIHRD LRAANILVSE ALCKKIADFG LARIIDSEY
AQEGAKFPIK WTAPAEIHFG VFTIKADVWS FGVLLMEVVT YGRVPYPGMS NPEVIRNLER GYRMPRPDTC
PPELYRGVIA ECWRSRPEER PTFEFLQSVL EDFYTATERQ YELQP.

