

32-8170: Recombinant Human Tyrosine-Protein Kinase Blk/BLK (C-6His)

Gene : BLK
Gene ID : 640
Uniprot ID : P51451

Description

Source: E. coli.
MW :58.7kD.

Recombinant Human B Lymphocyte Kinase is produced by our E.coli expression system and the target gene encoding Gly2-Pro505 is expressed with a 6His tag at the C-terminus. Tyrosine-Protein Kinase Blk (BLK) contains one protein kinase domain, one SH2 domain and one SH3 domain. BLK is a non-receptor tyrosine kinase, which is involved in B-lymphocyte development, differentiation and signaling. B-cell receptor (BCR) signaling requires a tight regulation of several protein tyrosine kinases and phosphatases, and associated coreceptors. Signaling through BLK plays an important role in transmitting signals through surface immunoglobulines and supports the pro-B to pre-B transition, as well as the signaling for growth arrest and apoptosis downstream of B-cell receptor. Defects in BLK are a cause of maturity-onset diabetes of the young type 11 (MODY11).

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM Tris, 500mM NaCl, 1mM DTT, pH 7.4.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : GLVSSKKPDKEKPIKEKDKGQWSPLKVSAQDKDAPPLPPLVVFNHLTPPPPDEHLDEDKHFVVALY
DYTAMNDRDLQMLKGEKLQVLKGTGDWWLARS�VTGREGYVPSNFFVARVESLEMERWFFRSQG
RKEAERQLLAPINKAGSFLIRESETNKGAFSLSVKDVTTQGELIKHYKIRCLDEGGYYISPRITFPSLQ
ALVQHYSKKGDGLCQRLTLPCVRPAPQNPWAQDEWEIPRQSLRLVRKLGSGQFGEVWMGYYKN
NMKVAIKTLKEGTMSPEAFLGEANVMKALQHERLVRLYAVVTKEPIYIVTEYMARGCLLDFLKTDEG
SRLSLPRLIDMSAQIAEGMAYIERMNSIHRDLRAANILVSEALCCKIADFGLARIIDSEYTAQEGAKFPI
KWTAPFAIHFGVFTIKADVWSFGVLLMEVVTYGRVPYPGMSNPEVIRNLERYMRPRDTCPEL
YRGVIAECWRSRPEERPTFEFLQSVLEDFTATERQYELQPLEHHHHHHH

Application Note

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