

BLK, 1-505aa, Human, His tag, Hi-5

Cat.NO.: TP01342

3th Edition

Synonyms: Tyrosine-protein kinase Blk, MGC10442, MODY11.

Description: BLK, also known as B lymphoid kinase, is a 55kDa tyrosine kinase with SH3, SH2, and catalytic domains that contain consensus sequences of the Src protein tyrosine kinase family. This protein is expressed specifically in the B cell lineage and plays a role in the signaltransduction pathway that is restricted to B lymphoid cells.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol 0.1M NaCl, 1mM DTT, 0.1mM PMSF

Molecular Weight: 59.8 kDa (525aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGLVSSKKPDKEKPIKEKDKGQWSPLKVSAQDKDAPPLPPLVFNHLTPPPPDE
HLDEDKHFVVALYDYTAMNDRDLQMLKGEKLQVLKGTGDWWLARSVLTGREGYVPSNFVARVESLEMERWFFRS
QGRKEAERQLLAPINKAGSFLIRESETNKGAFSLSVKDVTTQGELIKHYKIRCLDEGGYYISPRITFPSLQALVQHYSK
KGDGLCQRLTLPCVRPAPQNPWAQDEWEIPRQSLRLVRKLGSGQFGEVWVGYYKNNMKVAIKTLKEGTMSPEAF
LGEANVMKALQHERLVRLYAVVTKEPIYIVTEYMARGCLLDFLKTDEGSRLSLPRLIDMSAQIAEGMAYIERMNSIHR
DLRAANILVSEALCCKIADFGLARIIDSEYTAQEGAKFPIKWTAPEAIHFGVFTIKADVWSFGVLLMEVVTYGRVPYPG
MSNPEVIRNLERGYRMPRPDTCPELYRGVIAECWRSRPEERPTFEFLQSVLEDFYTATERQYELQP

Purity: > 95% by HPLC

Concentration: 0.25 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.