

AR50048PU-S**Human BLK (1-505, His-tag) - Purified**

Alternate names:	B lymphocyte kinase, Tyrosine-protein kinase BLK, p55-BLK, p55BLK
Quantity:	50 µg
Concentration:	0.25 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	P51451
NCBI:	NP_001706
GeneID:	640
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >80% by SDS - PAGE Buffer System: 20mM Tris-HCl buffer (pH7.5) containing 50% glycerol, 0.25M NaCl, 5mM DTT, 0.1mM PMSF, 0.1M EDTA
Description:	Recombinant human BLK protein was expressed with N-terminal His-tag in High-Five cells using baculovirus expression system and purified by using conventional chromatography techniques. AA Sequence: <u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MGLVSSKKPD KEKPIKEKDK GQWSPLKVSA QDKDAPPLPP LVVFNHLTPP PPDEHLDEDK HFVVALYDYT AMNDRDLQML KGEKLQVLKG TGDWWLARS VTGREGYVPS NFVARVESLE MERWFFRSQG RKEAERQLLA PINKAGSFLI RESEKNGGAF SLSVKDVTQ GELIKHYKIR CLDEGGYYIS PRITFPSLQA LVQHYSKKGD GLCQRLTLPC VRPAPQNPWA QDEWEIPRQS LRLVRKLGSG QFGEVWMGY KNNMKVAIKT LKEGTMSPEA FLGEANVMKA LQHERLVRLY AVVTKEPIYI VTEYMARGCL LDFLKTDEGS RLSLPRLIDM SAQIAEGMAY IERMNSIHRD LRAANILVSE ALCKIADFG LARIIDSEYT AQEGAKFPPIK WTAPEAIHFG VFTIKADVWS FGVLLMEVVT YGRVPYPGMS NPEVIRNLER GYRMPRPDTC PPELYRGVIA ECWRSRPEER PTFEFLQSVL EDFYTATERQ YELQP Molecular weight: 59.8 kDa (525aa) and 50-70kDa (SDS-PAGE under reducing conditions)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Dymecki. et al. (1990) Science. 247:332-6. Tatosyan, A.G. et al. (2000) Biochemistry. 65:49-58

Pictures:

