

Recombinant Human B Lymphoid Tyrosine Kinase, His-tagged

Cat. No. BLK-5368H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HumanBLK with His Tag. BLK is a non-receptor tyrosine kinase that belongs to theSrc family of kinases. BLK plays an important role in B-cell activation.
Species	Human
Source	Insect Cells
Description	Tyrosine-proteinkinase BLK also known as B lymphocyte kinase is an enzyme that in humans isencoded by the BLK gene. This gene encodes a nonreceptor tyrosine-kinase ofthe src family of proto-oncogenes that are typically involved in cellproliferation and differentiation. The protein has a role in B-cell receptorsignaling and B-cell development.
Form	Liquid in 50 mMTris, pH 7.5 + 100 mM NaCl + 0.1 mM EDTA + 0.05% NP-40 + 5 mM DTT + 50%glycerol.
MolecularWeight	62.3 kDa
Concentration	0.39 mg/ml
Storage	Stable for 6 monthsat -80°C. Avoid repeated freeze-thaw cycles.
OfficialSymbol	BLK
Pathways	Alpha-synucleinsignaling; B Cell Receptor Signaling Pathway; CXCR4-mediated

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signaling events; Class I PI3K signaling events; EphA forward signaling; Ephrin Breverse signaling; Focal Adhesion; Glypican 1 network; IL-7 Signaling Pathway; PDGFR-beta signaling pathway; Regulation of p38-alpha and p38-beta; Signaling events mediated by PTP1B; Thromboxane A2 receptor signaling; Thromboxane A2 receptor signaling

GENE INFORMATION

Gene Name	BLK B lymphoid tyrosine kinase [Homosapiens]
Synonyms	BLK; Blymphoid tyrosine kinase; MODY11; MGC10442; tyrosine-protein kinase Blk; p55-Blk; OTTHUMP00000115909; OTTHUMP00000229490; b lymphocyte kinase; BLK nonreceptor tyrosine kinase; EC 2.7.10.2; Tyrosine-protein kinase Blk
Gene ID	640
mRNA Refseq	NM_001715
Protein Refseq	NP_001706
MIM	191305
UniProt ID	P51451
Chromosome Location	8p23-p22
Function	ATP binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein tyrosine kinase activity

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