

Recombinant Human B lymphoid Tyrosine Kinase, GST-tagged, Active

Cat. No. BLK-250H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human BLK was expressed by baculovirus in <i>Sf9</i> insect cell/s using a N-terminal GST tag. MW = 84 kDa.
Species	Human
Source	Sf9 Cells
Description	BLK, also known as B lymphoid kinase, is a 55 kd tyrosine kinases with a SH3, SH2 and catalytic domains that contain consensus sequences of the src protein tyrosine kinase family. BLK is expressed specifically in the B cell lineage and plays a role in signal transduction pathway that is restricted to B lymphoid cells. Stimulation of resting B-lymphocytes with antibodies to surface immunoglobulin (sIgD or sIgM) induces activation of BLK.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

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Gene Name	BLK B lymphoid tyrosine kinase [Homo sapiens]
Synonyms	B lymphoid tyrosine kinase;MGC10442; BLK; BLK nonreceptor tyrosine kinase; EC 2.7.10.2; p55-BLK; B lymphocyte kinase
Gene ID	640
mRNA Refseq	NM_001715
Protein Refseq	NP_001706
MIM	191305
UniProt ID	P51451
Chromosome Location	8p23-p22
Function	non-membrane spanning protein tyrosine kinase activity; ATP binding; nucleotide binding; protein binding; transferase activity

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