

Recombinant Full Length Human BLK Protein, GST-tagged

Cat. No. BLK-1647HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human BLK full-length ORF (AAH07371, 1 a.a. - 505 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	505 amino acids
Description	This gene encodes a nonreceptor tyrosine-kinase of the src family of proto-oncogenes that are typically involved in cell proliferation and differentiation. The protein has a role in B-cell receptor signaling and B-cell development. The protein also stimulates insulin synthesis and secretion in response to glucose and enhances the expression of several pancreatic beta-cell transcription factors.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	81.29 kDa
AA Sequence	MGLVSSKKPD KEKPIKEKDK GQWSPLKVSA QDKDAPPLPP LVVFNHLTPP PPDEHLDEDK HFVVALYDYT AMNDRDLQML KGEKLQVLKG TGDWWLARS VTGREGYVPS NFVARVESLE MERWFFRSQG RKEAERQLLA PINKAGSFLI RESETNKGAF SLSVKDVTTQ GELIKHYKIR CLDEGGYYIS PRITFPSLQA LVQHYSKKGD GLCQRLTLPC VRPAPQNPWA QDEWEIPRQS LRLVRKLGSG QFGEVWVGYY KNNMKVAIKT LKEGTMSPEA FLGEANVMKA LQHERLVRLY

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AVVTKEPIYI VTEYMARGCL LDFLKTDEGS RLSLPRLLDM SAQIAEGMAY
 IERMNSIHRD LRAANILVSE ALCKKIADFG LARIIDSEYT AQEGAKFPIK
 WTAPEAIHFG VFTIKADVWS FGVLLMEVVT YGRVPYPGMS NPEVIRNLER
 GYRMPRPDTC PPELYRGVIA ECWRSRPEER PTFEFLQSVL EDFYTATERQ
 YELQP

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [BLK B lymphoid tyrosine kinase \[Homo sapiens \]](#)

Official Symbol [BLK](#)

Synonyms BLK; B lymphoid tyrosine kinase; tyrosine-protein kinase Blk; MGC10442; p55-Blk; b lymphocyte kinase; BLK nonreceptor tyrosine kinase; MODY11

Gene ID [640](#)

mRNA Refseq [NM_001715](#)

Protein Refseq [NP_001706](#)

MIM [191305](#)

UniProt ID [P51451](#)

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