

Recombinant Human BLK Protein, His-tagged

Cat. No. BLK-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human BLK protein (1-505aa) was expressed with N-terminal His-tag in High-Five cells using baculovirus expression system and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-505 a.a.
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	Liquid
Molecular Mass	59.8 kDa (525aa)
AA Sequence	MGSSHHHHHHSSGLVPRGSHMGLVSSKKPDKEKPIKEKDKGQWSPLKVSAQDKDA PPLPPLVVFNHLTPPPDEHLDEDKHFVVALYDYTAMNDRDLQMLKGEKLQVLKGT GDWWLARSLVTGREGYVPSNFVARVESLEMERWFFRSQGRKEAERQLLAPINKAG SFLIRESETNKGAFSLSVKDVTQTGELIKHYKIRCLDEGGYYISPRITFPSLQALVQHY SKKGDGLCQRLTLPCVRPAPQNPPWAQDEWEIPRQSLRLVRKLGSGQFGEVWMGY

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YKNNMKVAIKTLKEGTMSPEAFLGEANVMKALQHERLVRLYAVVTKEPIYIVTEYMA
 RGCLLDFLKTDDEGSRLSLPRLIDMSAQIAEGMAYIERMNSIHRDLRAANILVSEALCC
 KIADFGGLARIIDSEYTAQEGAKFPIKWTAPETAIHFGVFTIKADVWSFGVLLMEVVITYGR
 VPYPGMSNPEVIRNLERGYRMPRPDTCPELYRGVIAECWRSRPEERPTFEFLQSV
 LEDFYTATERQYELQP

Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 80% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/mL (determined by Bradford assay)
Storage Buffer	20mM Tris-HCl buffer (pH 7.5) containing 50% glycerol, 0.25M NaCl, 5mM DTT, 0.1mM PMSF, 0.1mM EDTA

GENE INFORMATION

Gene Name	BLK BLK proto-oncogene, Src family tyrosine kinase [Homo sapiens (human)]
Official Symbol	BLK
Synonyms	BLK; BLK proto-oncogene, Src family tyrosine kinase; MODY11; tyrosine-protein kinase Blk; B lymphoid tyrosine kinase; BLK nonreceptor tyrosine kinase; b lymphocyte kinase; p55-Blk; EC 2.7.10.2
Gene ID	640

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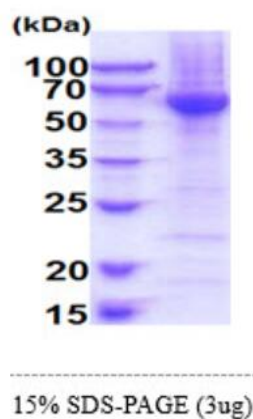
mRNA Refseq [NM_001715](#)

Protein Refseq [NP_001706](#)

MIM [191305](#)

UniProt ID [P51451](#)

SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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