

# Recombinant Human B Lymphoid Tyrosine Kinase

**Cat. No.** BLK-642H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                                |                                                                                                                                                                                                                  |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>                 | Human                                                                                                                                                                                                            |
| <b>Source</b>                  | E.coli                                                                                                                                                                                                           |
| <b>Description</b>             | The gene encoding BLK is a member of the SRC family of protooncogenes and shows preferential expression in B-lymphoid cells. It is thought to function in a signal transducing pathway specific to this lineage. |
| <b>Suggested Applications</b>  | ELISA, Inhibition Assays, Western Blotting.                                                                                                                                                                      |
| <b>Presentation</b>            | 100µl purified human BLK protein at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol without BSA and Sodium Azide.                                                                                   |
| <b>Characterization</b>        | On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 38kDa (including GST).                                                                                                  |
| <b>Storage &amp; Stability</b> | Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.                                                                                                  |

## GENE INFORMATION

|                  |                                                 |
|------------------|-------------------------------------------------|
| <b>Gene Name</b> | BLK B lymphoid tyrosine kinase [ Homo sapiens ] |
|------------------|-------------------------------------------------|

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>            | B lymphoid tyrosine kinase; MGC10442; BLK; BLK nonreceptor tyrosine kinase; EC 2.7.10.2; p55-BLK; B lymphocyte kinase          |
| <b>Gene ID</b>             | <a href="#">640</a>                                                                                                            |
| <b>mRNA Refseq</b>         | <a href="#">NM_001715</a>                                                                                                      |
| <b>Protein Refseq</b>      | <a href="#">NP_001706</a>                                                                                                      |
| <b>MIM</b>                 | <a href="#">191305</a>                                                                                                         |
| <b>UniProt ID</b>          | <a href="#">P51451</a>                                                                                                         |
| <b>Chromosome Location</b> | 8p23-p22                                                                                                                       |
| <b>Function</b>            | non-membrane spanning protein tyrosine kinase activity; ATP binding; nucleotide binding; protein binding; transferase activity |

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