Recombinant Human B-lymphocyte kinase/BLK Kinase

Catalog No.: RP03408LQ

Sequence Information

Species
Human

Gene ID
640

Swiss Prot
P51451

Tags
N-GST

Synonyms
BLK; p55-Blk; B lymphocyte kinase; Tyrosine-protein kinase Blk

Product Information

Source
Baculovirus-Insect Cells

Purification
≥ 85% as determined by SDS-PAGE;≥ 85% as determined by HPLC.

Calculated MW
84.2 kDa

Observed MW
70-85 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.22 μm filtered solution in 50 mM Tris-HCl, 150 mM NaCl, 5% glycerol. (pH 7.5). Contact us for customized product form or formulation.

Reconstitution
Please use running water to thaw it quickly.

Background

Tyrosine-protein kinase BLK, also known as B lymphocyte kinase, is a non-receptor tyrosine kinase that in humans is encoded by the BLK gene. It is of the Src family of tyrosine kinases. The tyrosine-protein kinase BLK has been shown to interact with UBE3A. BLK is expressed in lymphatic organs, pancreatic islets, Leydig cells, striate ducts of salivary glands and hair follicles. It is a modulator of beta-cells function, acting through the up-regulation of PDX1 and NKX6-1 and consequent stimulation of insulin secretion in response to glucose.

Basic Information

Description
Recombinant Human B-lymphocyte kinase/BLK Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Gly2-Pro505) of Human BLK (Accession #P51451) fused with a N-GST tag.

Activity
The activity of Blk is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

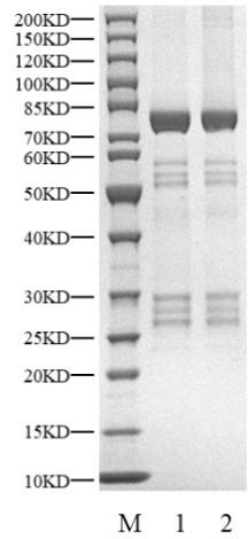
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

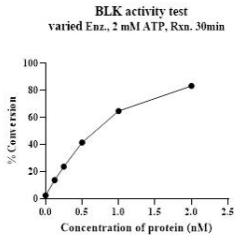
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Validation Data



Recombinant Human B-lymphocyte kinase/BLK Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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