Datasheet for ABIN7318106

BLK Protein (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	BLK
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This BLK protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human BLK Protein (His Tag)
Sequence:	Gly2-Pro505
Characteristics:	Recombinant Human Tyrosine-Protein Kinase BLK is produced by our E.coli expression system and the target gene encoding Gly2-Pro505 is expressed with a 6His tag at the C-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	BLK
Alternative Name:	BLK (BLK Products)
Background:	Background: Tyrosine-Protein Kinase Blk (BLK) contains one protein kinase domain, one SH2 domain and one SH3 domain. BLK is a non-receptor tyrosine kinase, which is involved in B-lymphocyte development, differentiation and signaling. B-cell receptor (BCR) signaling requires

Target Details

	a tight regulation of several protein tyrosine kinases and phosphatases, and associated coreceptors. Signaling through BLK plays an important role in transmitting signals through surface immunoglobulines and supports the pro-B to pre-B transition, as well as the signaling for growth arrest and apoptosis downstream of B-cell receptor. Defects in BLK are a cause of maturity-onset diabetes of the young type 11 (MODY11). Synonym: Tyrosine-Protein Kinase Blk, B Lymphocyte Kinase, p55-Blk, BLK,MODY11
Molecular Weight:	58.7 kDa
NCBI Accession:	NP_001706
Pathways:	Positive Regulation of Peptide Hormone Secretion, CXCR4-mediated Signaling Events, Thromboxane A2 Receptor Signaling

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, 1 mM DTT, pH 7.4.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.