

Recombinant Human BLK Protein (His Tag)

Catalog Number:PKSH032011



Note: Centrifuge before opening to ensure complete recovery of vial contents.

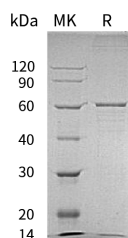
Description

Synonyms	Tyrosine-Protein Kinase Blk;B Lymphocyte Kinase;p55-Blk;BLK;MODY11
Species	Human
Expression Host	E.coli
Sequence	Gly2-Pro505
Accession	P51451
Calculated Molecular Weight	58.7 kDa
Observed molecular weight	50-65 kDa
Tag	C-His

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 500mM NaCl, 1mM DTT, pH 7.4.
Reconstitution	Not Applicable

Data



> 85 % as determined by reducing SDS-PAGE.

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 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).

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