

[Go to Product page](#)

Datasheet for ABIN1692105 **BLK Protein (AA 2-505) (His tag)**

Overview

| | |
|-------------------------------|--|
| Quantity: | 50 µg |
| Target: | BLK |
| Protein Characteristics: | AA 2-505 |
| 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 Tyrosine-Protein Kinase Blk/BLK (C-6His) |
| Sequence: | GLVSSKKPDK EKPIKEKDKG QWSPLKVSAQ DKDAPPLPPL VFNHLTPPP PDEHLDEDKH FVVALYDYTA MNDRLQMLK GEKLQVLKGT GDWWLARSLV TGREGYVPSN FVARVESLEM ERWFFRSQGR KEAERQLLAP INKAGSFLIR ESETNKGAFS LSVKDVTTQG ELIKHYKIRC LDEGGYYISP RITFPSLQAL VQHYSKKG DG LCQRLTLPCV RPAPQNPWAQ DEWEIPRQSL RLVRKLGSGQ FGEVWMGYK NNMKVAIKTL KEGTMSPEAF LGEANVMKAL QHERLVRLYA VVTKEPIYIV TEYMARGCLL DFLKTDEGR LSLPRLIDMS AQIAEGMAYI ERMNSIHRDL RAANILVSEA LCCKIADFGL ARIIDSEYTA QEGAKFPIKW TAPEAIHFGV FTIKADVVSF GVLLMEVVTY GRVPYPGMSN PEVIRNLERG YRMPRPDTC PELYRGVIAE CWRSRPEERP TFEFLQSVLE DFYTATERQY ELQPLEHHHH HH |
| Characteristics: | Recombinant Human Tyrosine-Protein Kinase Blk/BLK is produced with our E. coli expression system. The target protein is expressed with sequence (Gly2-Pro505) of Human BLK fused with a 6His tag at the C-terminus. |

Product Details

| | |
|------------------|--|
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Sterility: | 0.2 µm filtered |
| Endotoxin Level: | Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test |

Target Details

| | |
|-------------------|---|
| Target: | BLK |
| Alternative Name: | Tyrosine-Protein Kinase Blk/BLK (BLK Products) |
| Sub Type: | Fusionprotein |
| Background: | <p>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).</p> <p>Alternative Names: Tyrosine-Protein Kinase Blk, B Lymphocyte Kinase, p55-Blk, BLK</p> |
| Molecular Weight: | 58.7 kDa |
| UniProt: | P51451 |
| Pathways: | Positive Regulation of Peptide Hormone Secretion , CXCR4-mediated Signaling Events , Thromboxane A2 Receptor Signaling |

Application Details

| | |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

Handling

| | |
|-----------------|--|
| Format: | Liquid |
| Reconstitution: | <p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p> |
| Buffer: | Supplied as a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, 1 mM DTT, pH 7.4. |

Handling

| | |
|--------------------|--|
| Preservative: | Dithiothreitol (DTT) |
| Precaution of Use: | This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. |
| Storage: | -80 °C |
| Storage Comment: | Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles. |
| Expiry Date: | 6 months |