abcam

Product datasheet

Recombinant Human BLK protein ab172848

Description

Product name	Recombinant Human BLK protein
Purity	> 95 % SDS-PAGE. ab172848 is greater than 95% pure, as determined by SEC-HPLC and reducing SDS-PAGE. It is supplied as an 0.2 µM filtered solution.
Endotoxin level	< 1.000 Eu/µg
Expression system	Escherichia coli
Accession	P51451
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGLVSSKKPDKEKPIKEKDKGQWSPLKVSAQDKDAPPL PPLVVFNHLTPP PPDEHLDEDKHFVVALYDYTAMNDRDLQMLKGEKLQVLK GTGDWWLARSL VTGREGYVPSNFVARVESLEMERWFFRSQGRKEAERQL LAPINKAGSFLI RESETNKGAFSLSVKDVTTQGELIKHYKIRCLDEGGYYISP RITFPSLQA LVQHYSKKGDGLCQRLTLPCVRPAPQNPWAQDEWEIPR QSLRLVRKLGSG QFGEVWMGYYKNNMKVAIKTLKEGTMSPEAFLGEANVMK ALQHERLVRLY AVVTKEPIYIVTEYMARGCLLDFLKTDEGSRLSLPRLIDMSA QIAEGMAY IERMNSIHRDLRAANILVSEALCCKIADFGLARIIDSEYTAQE GAKFPIK WTAPEAIHFGVFTIKADVWSFGVLLMEVVTYGRVPYPGMS NPEVIRNLER GYRMPRPDTCPPELYRGVIAECWRSRPEERPTFEFLQSV LEDFYTATERQ YELQPLE
Predicted molecular weight	59 kDa including tags
Amino acids	2 to 505
Tags	His tag C-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab172848** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	HPLC SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.40 Constituents: 0.24% Tris, 2.9% Sodium chloride, 0.02% DTT

General Info

Function	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.
Tissue specificity	Expressed in lymphatic organs, pancreatic islets, Leydig cells, striate ducts of salivary glands and hair follicles.
Involvement in disease	Defects in BLK are a cause of maturity-onset diabetes of the young type 11 (MODY11) [MIM:613375]. MODY11 is a form of diabetes that is characterized by an autosomal dominant mode of inheritance, onset in childhood or early adulthood (usually before 25 years of age), a primary defect in insulin secretion and frequent insulin-independence at the beginning of the disease.
Sequence similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily. Contains 1 protein kinase domain. Contains 1 SH2 domain. Contains 1 SH3 domain.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors