

Recombinant Human Tyrosine-protein kinase HCK Protein

Catalog No.: RP03543LQ Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 3055 P08631

Tags No tag

Synonyms

Tyrosine-protein kinase HCK;HCK

Product Information

Source Purification
insect cellbaculovirus determined by SDSPAGF

Calculated MW Observed MW

51.1 KDa 52 KDa

Endotoxin

Please contact us for more information.

Formulation

Supplied as sterile 50 mM Tris-HCl (pH 7.5), 1 mM DTT, 200 mM NaCl, 10% glycerol.

Reconstitution

Please use running water to thaw it quickly.

Contact

6	400-999-6126
\times	cn.market@abclonal.com.cn
•	www.abclonal.com.cn

Background

Non-receptor tyrosine-protein kinase found in hematopoietic cells that transmits signals from cell surface receptors and plays an important role in the regulation of innate immune responses, including neutrophil, monocyte, macrophage and mast cell functions, phagocytosis, cell survival and proliferation, cell adhesion and migration. Acts downstream of receptors that bind the Fc region of immunoglobulins, such as FCGR1A and FCGR2A, but also CSF3R, PLAUR, the receptors for IFNG, IL2, IL6 and IL8, and integrins, such as ITGB1 and ITGB2. During the phagocytic process, mediates mobilization of secretory lysosomes, degranulation, and activation of NADPH oxidase to bring about the respiratory burst. Plays a role in the release of inflammatory molecules. Promotes reorganization of the actin cytoskeleton and actin polymerization, formation of podosomes and cell protrusions. Inhibits TP73-mediated transcription activation and TP73-mediated apoptosis. Phosphorylates CBL in response to activation of immunoglobulin gamma Fc region receptors. Phosphorylates ADAM15, BCR, ELMO1, FCGR2A, GAB1, GAB2, RAPGEF1, STAT5B, TP73, VAV1 and WAS.

Basic Information

Description

Recombinant Human Tyrosine-protein kinase HCK Protein is produced by insect cell-baculovirus expression system. The target protein is expressed with sequence (Ile81-Pro526, Q523E, Q524E, Q525I) of human Tyrosine-protein kinase HCK (Accession #NP_002101.2).

Bio-Activity

The activity of HCK 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

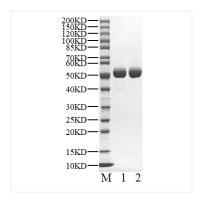
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

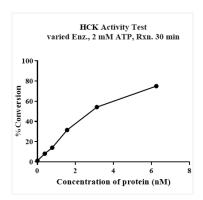
Store at -70°C. This product is stable at \leq -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

Operational Notes

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



Recombinant Human Tyrosine-protein kinase HCK was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



The activity of HCK 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.