

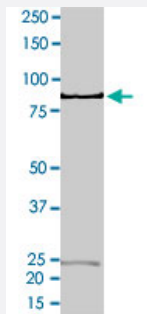
Bioactive

Full-Length

# HCK (Human) Recombinant Protein

Catalog # P4699      Size 100 ug

## Applications



## Result of activity analysis

Result of activity analysis

□

## Specification

<b>Product Description</b>	Human HCK (NM_002110, 1 a.a. - 505 a.a.) full-length recombinant protein with GST-His tag expressed in Sf9 cells.
<b>Host</b>	insect
<b>Theoretical MW (kDa)</b>	86.70699999999979
<b>Form</b>	Liquid
<b>Preparation Method</b>	Insect cell (Sf9) expression system
<b>Purification</b>	One-step affinity purification using GSH-agarose
<b>Concentration</b>	0.143 ug/uL

Activity	34 pmol/ug x min
Quality Control Testing	2 ug/lane SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 50 mM Tris-HCl, 100 mM NaCl, pH 8.0. (5 mM DTT, 4 mM reduced glutathione, 20% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing
Note	Result of activity analysis Result of activity analysis

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — HCK

Entrez GeneID	<a href="#">3055</a>
Protein Accession#	<a href="#">NM_002110</a>
Gene Name	HCK
Gene Alias	JTK9
Gene Description	hemopoietic cell kinase
Omim ID	<a href="#">142370</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The protein encoded by this gene is a protein-tyrosine kinase that is predominantly expressed in hemopoietic cell types. The encoded protein may help couple the Fc receptor to the activation of the respiratory burst. In addition, it may play a role in neutrophil migration and in the degranulation of neutrophils. Alternate translation initiation site usage, including a non-AUG (CUG) codon, results in the production of two different isoforms, that have different subcellular localization. [provided by RefSeq]
Other Designations	tyrosine protein kinase HCK

## Publication Reference

- [Kinase-deficient BTK mutants confer ibrutinib resistance through activation of the kinase HCK.](#)

Kamaldeep Dhami, Anirban Chakraborty, Tarikere L. Gururaja, Leo W.-K. Cheung, Chaohong Sun, Felix DeAnda and XiaoDong Huang.

Science Signaling 2022 May; 15(736):eabg5216.

Application: Func, Peptides

## Pathway

- [Chemokine signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)

## Disease

- [HIV Infections](#)
- [Pulmonary Disease](#)