Bioactive

HCK (Human) Recombinant Protein

Catalog # P6502 Size 5 ug

Applications

Result of activity analysis

Result of activity analysis

Specification

Product Description	Human HCK (NP_002101.2, 25 a.a. - 526 a.a.) partial recombinant protein with GST-tag at N-terminal using baculovirus expression system.
Host	Viruses
Form	Liquid
Preparation Method	Baculovirus expression system.
Purification	Glutathione sepharose chromatography.
Purity	0.84
Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorecence-labeled substrate and Mg (or Mn)/ATP. Substrate: Srctide, ATP: 100 uM.
Quality Control Testing	The purity was assessed by SDS-PAGE/CBB staining.
Storage Buffer	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5
Storage Instruction	Stored at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study

Gene Info — HCK

Entrez GeneID	3055
Protein Accession#	NP_002101.2
Gene Name	HCK
Gene Alias	JTK9
Gene Description	hemopoietic cell kinase
Omim ID	142370
Gene Ontology	Hyperlink
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 t he 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, result s in the production of two different isoforms, that have different subcellular localization. [provided b y RefSeq
Other Designations	tyrosine protein kinase HCK

Pathway

- Chemokine signaling pathway
- Fc gamma R-mediated phagocytosis

Disease

- HIV Infections

- Pulmonary Disease