

Recombinant Human Hemopoietic Cell Kinase, His-tagged

Cat. No. HCK-1235H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanfull length HCK with C-terminal His tag. No special measures were taken toactivate this kinase.
Species	Human
Source	Insect Cells
Description	Theprotein encoded by this gene is a HCK that ispredominantly expressed in hemopoietic cell types, and belongs to the Srcfamily of tyrosine kinases. The encoded protein may help couple the Fcreceptor to the activation of the respiratory burst. In addition, it may playa 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 differentsubcellular localization.
Form	Liquid in 50 mMTris, pH 7.5 + 0.05 mM EDTA + 1 mM DTT + 100 mM NaCl + 0.05% NP-40 + 50%glycerol.
Molecular Weight	58.7 kDa
Specific Activity	1450 nmole ofphosphate transferred to poly [Glu,Tyr] 4:1 substrate per minute per mg oftotal protein at 30°C. Activity determined at a final protein concentrationof 2 g/ml.
Storage	Stable for 6 monthsin working aliquots at -80°C. Avoid repeated freeze-thaw cycles.

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OfficialSymbol	HCK
Full Length	Full L.
GENE INFORMATION	
Gene Name	HCK hemopoietic cell kinase [Homosapiens]
Synonyms	HCK; hemopoietic cell kinase;JTK9; Tyrosine-protein kinase HCK; EC2.7.10.2; Hemopoietic cell kinase; p59-HCK/p60-HCK
Gene ID	3055
mRNA Refseq	NM_002110
Protein Refseq	NP_002101
MIM	142370
UniProt ID	P08631
Chromosome Location	20q11-q12
Pathway	Alpha-synuclein signaling; B Cell ReceptorSignaling Pathway; CXCR4-mediated signaling events; Chemokine signalingpathway; Class I PI3K signaling events; Cytokine Signaling in Immune system; EPHAforward signaling; Ephrin B reverse signaling; Fc gamma R-mediatedphagocytosis; Focal Adhesion; Glypican 1 network; HIV Infection; IL-3Signaling Pathway; IL-5 Signaling Pathway; Immune System
Function	ATP binding; non-membranespanning protein tyrosine kinase activity; nucleotide

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binding; proteinbinding; transferase activity

**PDBrendering based
on 1ad5.**

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