Creative Enzymes®

Hck from Human, Recombinant

Cat. No. NATE-0335

Lot. No. (See product label)

Introduction

Description	Hck is a member of the Src family of non-receptor associated protein tyrosine kinases (PTK). Hck has been shown to associate with and be activated by Bcr-Abl, which is a protein-tyrosine kinase that is expressed in chronic myelogenous leukemia.
Applications	Hck is a protein-tyrosine kinase that is expressed in hemopoietic cells. It is used in leukemia research
Synonyms	Hck; HCK; tyrosine-protein kinase HCK; JTK9; p59Hck; p61Hck

Product Information

Species	Human
Source	E. coli BL21
Form	Supplied as a solution in 50 mM Tris HCl, pH 7.4, 1 mM EDTA and 1 mM DTT
Activity	> 200 units
Pathway	Alpha-synuclein signaling, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class I PI3K signaling events, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem
Function	ATP binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein binding; protein tyrosine kinase activity
Unit Definition	One unit will phosphorylate 1.0 picomole of Tyr15 of the peptide substrate pcdc2 6-20 per minute at 30°C at pH 7.4.

Usage and Packaging

Package	vial of > 200 units

Storage and Shipping Information

Storage	−70°C