

Recombinant Human Hemopoietic Cell Kinase (aa 230-497) GST Active

Catalog No.	CRH222A	Quantity:	5 µg
	CRH222B		10 µg

Description: Recombinant human HCK (230-497aa) containing N-terminal GST tag was expressed by baculovirus in Sf9 insect cells.

HCK, a protein-tyrosine kinase, belongs to SRC family members. It was found that expression of HCK may be limited to certain hemopoietic cells and is especially prominent in cells of myeloid lineage, particularly mature granulocytes and monocytes. Therefore, the gene HCK (pronounced 'hick') has been designated for hemopoietic cell kinase. They described the nucleotide sequence of a cDNA clone and the distribution of RNA transcribed from HCK among various hemopoietic cells. They assigned the HCK gene to 20q11-q12. Since this region is affected by interstitial deletions in some acute myeloid leukemias and myeloproliferative disorders, they suggested that damage to HCK may contribute to the pathogenesis of these conditions.

Concentration: 0.1 mg/ml

Protein Accession No: NM_002110

Source: Sf9 insect cells

Formulation: Recombinant protein in storage buffer (50 mM Tris-HCl + 150 mM NaCl + 0.25 mM DTT + 0.1 mM EGTA + 0.1 mM EDTA + 0.1 mM PMSF + 25% glycerol; pH 7.5).

Purity: 1 µg of protein was subjected to SDS-PAGE and Coomassie blue staining. The scan of the gel showed >90% purity of the HCK product, and the band was at ~57 kDa

Specific Activity: 171 nmol/min/mg: 171 nmol phosphate incorporated into poly(Glu-Tyr) per minute per mg protein at 30°C for 15 minutes using a final concentration of 50 µM ATP (0.83 µCi/assay). See QA/QC section for details.

Storage & Stability: Store product frozen at or below -80°C. Stable for 1 year at -80°C s undiluted stock. Aliquot to avoid repeated thawing and freezing.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.