

Recombinant Human PTK-2 Protein Tyrosine Kinase 2, His-tagged, Active

Cat. No. PTK2-309H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FAK (393-698) was expressed by baculovirus in <i>Sf9</i> insect cell/susing an N-terminal His tag. MW=35kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	393-698 a.a.
Description	FAK (Focal Adhesion Kinase) is a non-receptor protein tyrosine kinase involved in signal transduction from integrin-enriched focal adhesion sites that mediate cell contact with the extracellular matrix. FAK-enhanced signals have been shown to mediate the survival of anchorage-dependent cells and are critical for efficient cell migration in response to growth factor receptor and integrin stimulation. Elevated expression of FAK in human tumors has been correlated with increased malignancy and invasiveness. Elevated FAK expression in anaplastic astrocytoma and glioblastoma tumor biopsy samples has been demonstrated.
Sequence	393-698.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at –70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable

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performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

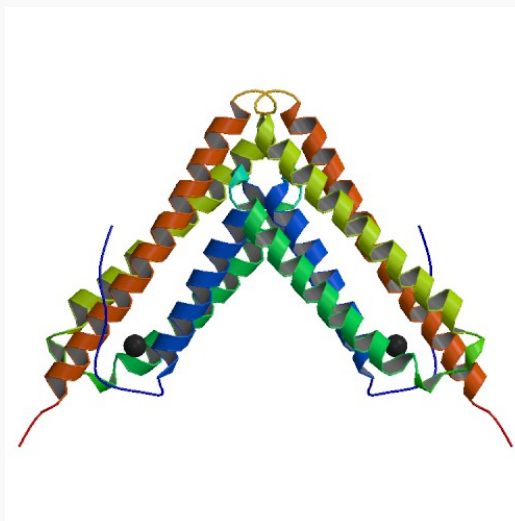
Gene Name	PTK2 PTK2 protein tyrosine kinase 2 [Homo sapiens]
Synonyms	PTK2; PTK-2 protein tyrosine kinase 2; FAK; FADK; FAK1; pp125FAK; Focal adhesion kinase 1; FADK 1; Protein-tyrosine kinase 2; Protein-tyrosine kinase 2; EC 2.7.10.2
Gene ID	5747
mRNA Refseq	NM_005607
Protein Refseq	NP_005598
MIM	600758
UniProt ID	Q05397
Chromosome Location	8q24-qter
Pathway	Axon guidance; ErbB signaling pathway; Chemokine signaling pathway; Focal adhesion; Leukocyte transendothelial migration; Pathways in cancer; Regulation of actin cytoskeleton; Small cell lung cancer; VEGF signaling pathway; Apoptosis; Axon guidance; Hemostasis; Integrin cell surface interactions
Function	ATP binding; SH2 domain binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein binding; signal transducer activity; transferase activity

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PDB rendering based
on 1k04.



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