Recombinant Human PTK2B, His-tagged, Active

Cat. No. PTK2B-414H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PTK2B (360-690) was expressed by *baculovirus* in *Sf9 insect cells* using an N-terminal His tag. MW=39kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	360-690 a.a.
Description	PYK2 (also known as FAK2/RAFTK) is a member of the focal adhesion PTK family. PYK2/FAK2 can be activated by a variety of extracellular signals that elevate intracellular calcium concentration, and by stress signals. Unlike FAK, which is widely expressed in various tissues and links transmembrane integrin receptors to intracellular pathways, PYK2/FAK2 is expressed mainly in the central nervous system and in cells derived from hematopoietic lineages.
Sequence	360-690.
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 performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

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Gene Name	PTK2B PTK2B protein tyrosine kinase 2 beta [Homo sapiens]
Synonyms	PTK2B; PTK2B protein tyrosine kinase 2 beta; PTK2B protein tyrosine kinase 2 beta; CAK beta; calcium-dependent tyrosine kinase; cell adhesion kinase beta; focal adhesion kinase 2; proline-rich tyrosine kinase 2; protein kinase B; protein tyrosine kinase 2 beta; related adhesion focal tyrosine kinase; EC 2.7.10.2
Gene ID	2185
mRNA Refseq	NM_004103
Protein Refseq	NP_004094
MIM	601212
UniProt ID	Q14289
Chromosome Location	8p21.1
Pathway	Calcium signaling pathway; Chemokine signaling pathway; GnRH signaling pathway; Leukocyte transendothelial migration; Natural killer cell mediated cytotoxicity
Function	3-phosphoinositide-dependent protein kinase binding; ATP binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein complex binding; signal transducer activity; transferase activity

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