

Recombinant Human FAK, His-tagged

Cat. No. FAK-12647H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FAK protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-298a.a.
Description	This gene encodes a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular matrix constituents. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Activation of this gene may be an important early step in cell growth and intracellular signal transduction pathways triggered in response to certain neural peptides or to cell interactions with the extracellular matrix. Several transcript variants encoding different isoforms have been found for this gene, but the full-length natures of only three of them have been determined.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

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GENE INFORMATION

Gene Name	PTK2 PTK2 protein tyrosine kinase 2 [Homo sapiens]
Official Symbol	PTK2
Synonyms	PTK2; PTK2 protein tyrosine kinase 2; focal adhesion kinase 1; FADK; FAK; FAK1; PPP1R71; protein phosphatase 1; regulatory subunit 71; FADK 1; FAK-related non-kinase polypeptide; focal adhesion kinase-related nonkinase; protein phosphatase 1 regulatory subunit 71; protein phosphatase 1, regulatory subunit 71; FRNK; p125FAK; pp125FAK;
Gene ID	5747
mRNA Refseq	NM_001199649
Protein Refseq	NP_001186578
MIM	600758
UniProt ID	Q05397
Chromosome Location	8q24.3
Pathway	Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; Axon guidance, organism-specific biosystem;

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Function

ATP binding; JUN kinase binding; SH2 domain binding; binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein binding; protein kinase activity; protein kinase binding; protein tyrosine kinase activity; signal transducer

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