

Recombinant Human PTK2

Cat. No. PTK2-28820TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human FAK with N-terminal proprietary tag, 140kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	1052 amino acids
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 nature of only three of them have been determined.
Molecular Weight	140.000kDa
Tissue specificity	Expressed in all organs tested, in lymphoid cell lines, but most abundantly in brain.
Biological activity	The Specific activity of PTK2-28820TH was determined to be 28 nmol/min/mg.
Form	Liquid

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	by SDS-PAGE
Storage buffer	Preservative: None Constituents: 25% Glycerol, 0.01% Triton-X-100, 50mM Tris HCl, 150mM Sodium chloride, 10mM Glutathione, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. FAK subfamily.Contains 1 FERM domain.Contains 1 protein kinase domain.

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;
Gene ID	5747
mRNA Refseq	NM_001199649
Protein Refseq	NP_001186578
MIM	600758
Uniprot ID	Q05397

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA