

Recombinant Human PTK2 protein, His & T7-tagged

Cat. No. PTK2-6827H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTK2 aa. (Gly798~Ala1041) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gly798~Ala1041
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.5kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 6.2.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
GENE INFORMATION	
Gene Name	PTK2 protein tyrosine kinase 2 [Homo sapiens (human)]
Official Symbol	PTK2
Synonyms	FAK; FADK; FAK1; FRNK; PPP1R71; p125FAK; pp125FAK; FADK 1; FAK-related non-kinase polypeptide; PTK2 protein tyrosine kinase 2; focal adhesion kinase isoform FAK-Del33; focal adhesion kinase-related nonkinase; protein phosphatase 1 regulatory subunit 71; focal adhesion kinase 1
Gene ID	5747

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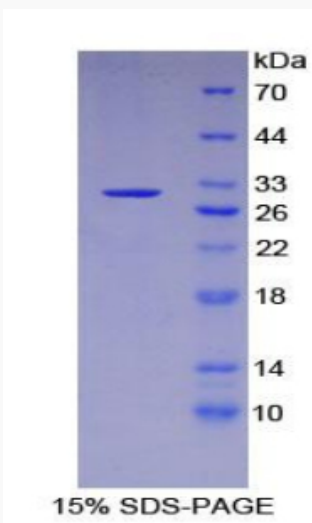
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mRNA Refseq [NM_001199649.1](#)

Protein Refseq [NP_001186578.1](#)

UniProt ID [Q05397](#)

SDS-PAGE



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