

Recombinant Human PTK7

Cat. No. PTK7-27862TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 36-145 of Human CCK4 with an N terminal proprietary tag; Predicted MWt 37.73 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	110 amino acids
Description	Receptor protein tyrosine kinases transduce extracellular signals across the cell membrane. A subgroup of these kinases lack detectable catalytic tyrosine kinase activity but retain roles in signal transduction. The protein encoded by this gene is a member of this subgroup of tyrosine kinases and may function as a cell adhesion molecule. This gene is thought to be expressed in colon carcinomas but not in normal colon, and therefore may be a marker for or may be involved in tumor progression. Four transcript variants encoding four different isoforms have been found for this gene.
Molecular Weight	37.730kDa inclusive of tags
Tissue specificity	Highly expressed in lung, liver, pancreas, kidney, placenta and melanocytes. Weakly expressed in thyroid gland, ovary, brain, heart and skeletal muscle. Also expressed in erythroleukemia cells. But not expressed in colon.
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	KQPSSQDALQGRRALLRCEVEAPGPVHVYWLLDGAPVQDT ERRFAQGSSLSFAAV DRLQDSGTFQCVARDDVTGEEARSA NASFNIKWIEAGPVVLKHPASEAEIQPQTQ
Sequence Similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily.Contains 7 Ig-like C2-type (immunoglobulin-like) domains.Contains 1 protein kinase domain.

GENE INFORMATION

Gene Name	PTK7 PTK7 protein tyrosine kinase 7 [Homo sapiens]
Official Symbol	PTK7
Synonyms	PTK7; PTK7 protein tyrosine kinase 7; inactive tyrosine-protein kinase 7; CCK4;
Gene ID	5754
mRNA Refseq	NM_002821
Protein Refseq	NP_002812
MIM	601890
Uniprot ID	Q13308

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Chromosome Location	6p21.1-p12.2
Function	ATP binding; receptor activity; transferase activity, transferring phosphorus-containing groups; transmembrane receptor protein tyrosine kinase activity;