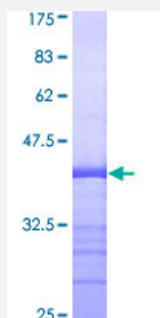


PTK7 (Human) Recombinant Protein (Q01)

Catalog # H00005754-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PTK7 partial ORF (NP_002812, 36 a.a. - 145 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KQPSSQDALQGRRALLRCEVEAPGPVHVYWLLDGAPVQDTERRFAQGSSLSFAAVDRLQDSGT FQCVARDDVTGEEARSANASFNIKWIEAGPVVLKHPASEAEIQPQTQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (93)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PTK7

Entrez GeneID [5754](#)

GeneBank Accession# [NM_002821](#)

Protein Accession# [NP_002812](#)

Gene Name PTK7

Gene Alias CCK4

Gene Description PTK7 protein tyrosine kinase 7

Omim ID [601890](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000039809|colon carcinoma kinase-4

Publication Reference

- [Binding-induced nicking site reconstruction strategy for quantitative detection of membrane protein on living cell.](#)

Li W, Wang L, Wang Y, Jiang W.

Talanta 2018 Nov; 89:383.

Application: Func, Human, HeLa cells

- [A label-free sensitive method for membrane protein detection based on aptamer and AgNCs transfer.](#)

Liu Z, Chen W, Han Y, Ouyang J, Chen M, Hu S, Deng L, Liu YN.

Talanta 2017 Jul; 175:470.

Application: Func, Human , CCRF-CEM, HeLa cells

- [Highly Sensitive and Homogeneous Detection of Membrane Protein on a Single Living Cell by Aptamer and Nicking Enzyme Assisted Signal Amplification Based on Microfluidic Droplets.](#)

Li L, Wang Q, Feng J, Tong L, Tang B.

Analytical Chemistry 2014 May; 86(10):5101.

Application: Hairpin probe, Recombinant protein