

Recombinant Human PTK7 Protein (31-704 aa), His-tagged

Cat. No. PTK7-1659H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTK7 Protein (31-704 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cell Adhesion. Protein Description: Partial.
Species	Human
Source	Yeast
ProteinLength	31-704 aa
Description	Inactive tyrosine kinase involved in Wnt signaling pathway. Component of both the non-canonical (also known as the Wnt/planar cell polarity signaling) and the canonical Wnt signaling pathway. Functions in cell adhesion, cell migration, cell polarity, proliferation, actin cytoskeleton reorganization and apoptosis. Has a role in bryogenesis, epithelial tissue organization and angiogenesis.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	76.6 kDa
AA Sequence	AIVFIKQPSSQDALQGRRALLRCEVEAPGPVHVYWLLDGAPVQDTERRFAQGSSLS FAAVDRLQDSGTFQCVARDDVTGEEARSANASFNKWEAGPVVLKHPASEAEIQPQ TQVTLRCHIDGHPRPTYQWFRDGTPLSDGQSNHTVSSKERNLTLRPAGPEHSGLYS CCAHSAFGQACSSQNFTLSIADESFARVVLAPQDVVVARYEEAMFHCQFSAQPPPS LQWLFEDETPITNRSRPPHLRRATVFANGSLLLTQVRPRNAGIYRCIGQGQGRGPPIIL

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EATLHLAEIEDMPLFEPRVFTAGSEERVTCCLPPKGLPEPSVWWEHAGVRLPTHGRV
YQKGHELVLANIAESDAGVYTCHAANLAGQRRQDVNITVATVPSWLKKPQDSQLEE
GKPGYLDCLTQATPKPTVVWYRNQMLISEDSEFEVFKNGTLRINSVEVYDGTWYRC
MSSTPAGSIEAQARVQVLEKLKFTPPPQPQQCMEFDKEATVPCSATGREKPTIKWE
RADGSSLPEWVTDNAGTLHFARVTRDDAGNYTCIASNGPQGQIRAHVQLTVAVFITF
KVEPERTTVYQGHALLQCEAQGDPKPLIQWKGKDRILDPTKLGPRMHIFQNGSLVI
HDVAPEDSGRYTCIAGNSCNIKHTEAPLYVVDKPVPEESEGGSPPPYKMIQT

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name PTK7 PTK7 protein tyrosine kinase 7 [Homo sapiens]

Official Symbol PTK7

Synonyms PTK7; CCK4; CCK-4; colon carcinoma kinase 4;

Gene ID 5754

mRNA Refseq NM_002821

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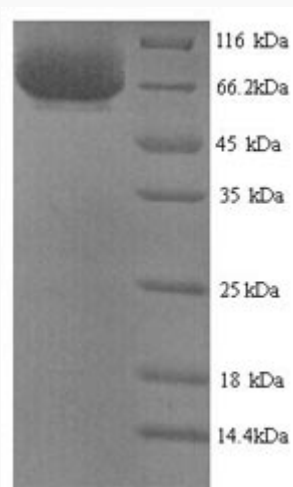
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Protein Refseq NP_002812

MIM 601890

UniProt ID Q13308



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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