

# Recombinant Human PTK7/CCK4 Protein

Catalog No.: RP02660 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	5754	Q13308

### Tags

C-His

### Synonyms

CCK-4; PTK7

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
75.46 kDa	90-110 kDa

### Endotoxin

< 0.1 EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

## Contact

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## Background

Protein Tyrosine Kinase 7 (PTK7) is as a critical regulator of canonical and non-canonical Wnt-signaling during embryonic development and cancer cell formation. Disrupting PTK7 activity perturbs vertebrate nervous system development, and also promotes human cancer formation. Observations in different model systems suggest a complex cross-talk between PTK7 protein and Wnt signaling.

## Basic Information

### Description

Recombinant Human PTK7/CCK4 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala31-Thr704) of human PTK7/CCK4 (Accession #Q13308) fused with a His tag at the C-terminus.

### Bio-Activity

#### Storage

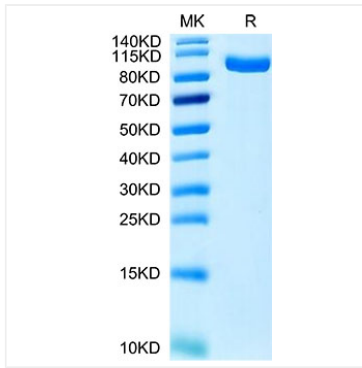
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## Validation Data

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Human PTK7/CCK4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.