

Catalog No.: RP02660 **Recombinant**

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human | 5754 | Q13308 |

C-His

CCK-4: PTK7

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.

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.

Avoid repeated freeze/thaw cycles.

| | |
|---------------|-----------------------------------|
| Source | Purification |
| HEK293 cells | ≥ 95 % as determined by SDS-PAGE. |

| Calculated MW | Observed MW |
|---------------|-------------|
| 75.46 kDa | 90-110 kDa |

< 0.1 EU/μg of the protein by LAL method.

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

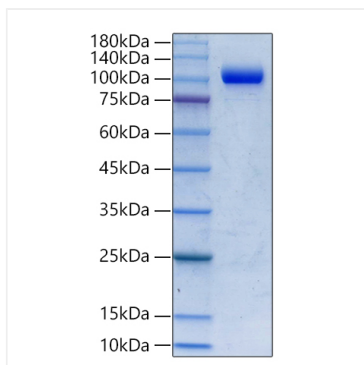
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot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

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Validation Data



Recombinant Human PTK7/CCK4 Protein was determined by Tris-Bis PAGE under reducing conditions.