

# Biotinylated Mouse PTK7/CCK4 Protein

Cat. No. CCK-MM404B

## Description

<b>Source</b>	Recombinant Biotinylated Mouse PTK7/CCK4 Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Ala23-Thr696.
<b>Accession</b>	Q8BKG3
<b>Molecular Weight</b>	The protein has a predicted MW of 77.48 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	>95% as determined by Bis-Tris PAGE >95% as determined by HPLC

## Formulation and Storage

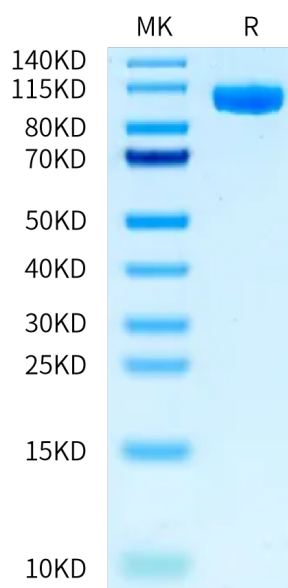
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at $-80^{\circ}\text{C}$ . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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.

## Assay Data

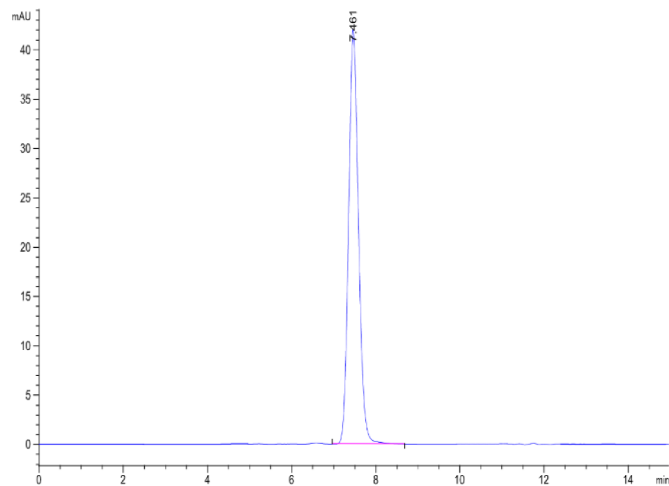
### Bis-Tris PAGE



Biotinylated Mouse PTK7 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data



The purity of Biotinylated Mouse PTK7 is greater than 95% as determined by SEC-HPLC.