

Rev03
 Update: Aug,08,2025

DATASHEET

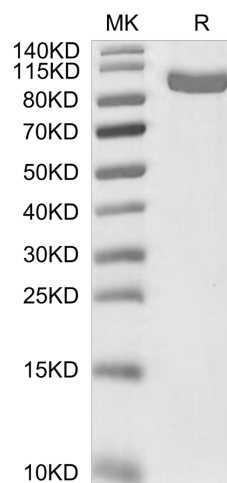
PTK7/CCK4, His & Avi, Human

Cat. No.: Z05778

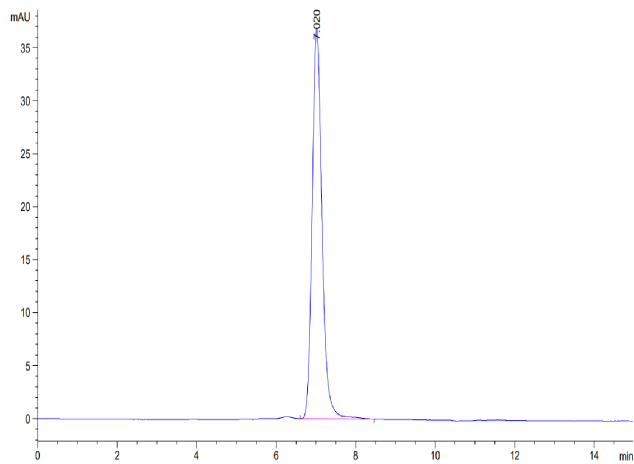
Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center; margin-right: 5px;"> PTK7/CCK4 (Ala31-Thr704)_x000D_ Accession # Q13308-1 </div> <div style="background-color: #90c080; color: white; padding: 5px; text-align: center; margin-right: 5px;">His</div> <div style="background-color: #4f81b7; color: white; padding: 5px; text-align: center;">Avi</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px; font-size: small;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	75.7 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 80-115 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Examples



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



The purity of PTK7/CCK4, His & Avi, Human is greater than 95% as determined by SEC-HPLC.

Background

Target 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.

Synonyms : CCK-4; PTK7

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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