Datasheet for ABIN7274040

PTK7 Protein (AA 31-704) (His tag)

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Overview

Quantity:	100 µg
Target:	PTK7
Protein Characteristics:	AA 31-704
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTK7 protein is labelled with His tag.

Product Details

Purpose:	Human PTK7/CCK4 Protein
Sequence:	Ala31-Thr704
Characteristics:	Recombinant Human PTK7/CCK4 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Ala31-Thr704.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	PTK7
Alternative Name:	PTK7 (PTK7 Products)

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Target Details

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.
Molecular Weight:	75.7 kDa. Due to glycosylation, the protein migrates to 80-115 kDa based on Tris-Bis PAGE result.
Pathways:	RTK Signaling, Tube Formation

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

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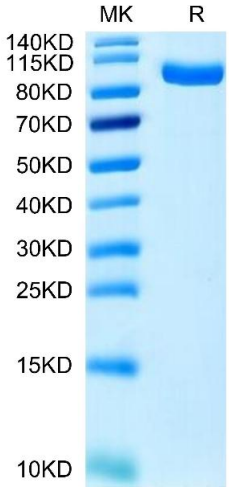
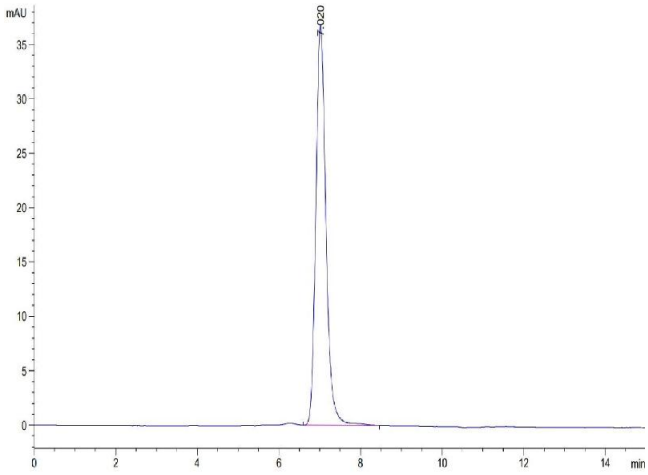


SDS-PAGE

Image 1. Human PTK7/CCK4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human PTK7/CCK4 is greater than 95 % as determined by SEC-HPLC.

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