

Datasheet for ABIN7013690

PTK7 Protein (AA 31-704) (His tag,AVI tag,Biotin)[Go to Product page](#)**1** Image

Overview

Quantity:	200 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,AVI tag,Biotin.

Product Details

Purpose:	Biotinylated Human PTK7 / CCK4 protein, His,Avitag™ (MALS verified)
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	PTK7
Alternative Name:	PTK7 (PTK7 Products)
Background:	PTK7, highly expressed in lung, liver, pancreas, kidney, placenta and melanocytes. Weakly expressed in thyroid gland, ovary, brain, heart and skeletal muscle. Also expressed in erythroleukemia cells. Inactive tyrosine kinase involved in Wnt signaling pathway. Component

Target Details

of both the non-canonical (also known as the Wnt/planar cell polarity signaling) and the canonical Wnt signaling pathway. Functions in cell adhesion, cell migration, cell polarity, proliferation, actin cytoskeleton reorganization and apoptosis. Has a role in embryogenesis, epithelial tissue organization and angiogenesis.

Molecular Weight: 78.2 kDa

NCBI Accession: [NP_002812](#)

Pathways: [RTK Signaling](#), [Tube Formation](#)

Application Details

Comment: Ready-to-use Avitag™ biotinylated protein:

The product is exclusively produced using the Avitag™ technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.

This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.

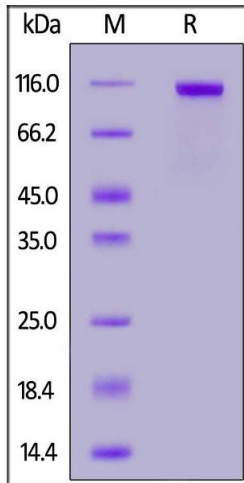
Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS, pH 7.4

Storage: -80 °C



SDS-PAGE

Image 1. Biotinylated Human PTK7, His,Avitag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .