

## PRODUCT INFORMATION

<b>Target</b>	PTK7
<b>Synonyms</b>	CCK-4;CCK4
<b>Description</b>	Recombinant Human PTK7 protein with C-terminal human Fc
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q13308
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc Tag
<b>Molecular Characterization</b>	PTK7(Ala31-Thr704) hFc(Glu99-Ala330)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 100.8 kDa after removal of the signal peptide. The apparent molecular mass of PTK7-hFc is approximately 100-130 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage&amp;Shipping</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
<b>Sterility</b>	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
<b>Background</b>	This gene encodes a member of the receptor protein tyrosine kinase family of proteins that transduce extracellular signals across the cell membrane. The encoded protein lacks detectable catalytic tyrosine kinase activity, is involved in the Wnt signaling pathway and plays a role in multiple cellular processes including polarity and adhesion. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



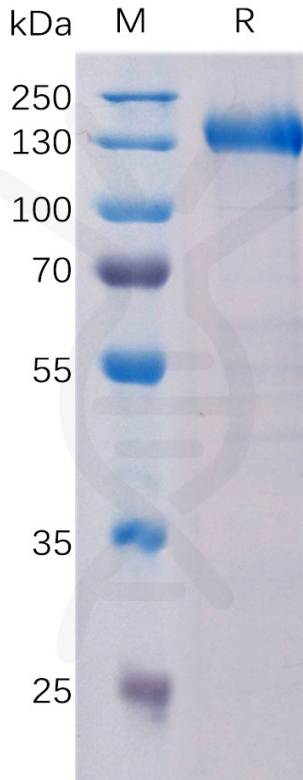


Figure 1. Human PTK7 Protein, hFc Tag on SDS-PAGE under reducing condition.

### Human PTK7, hFc Tagged protein ELISA

0.2  $\mu$ g of Human PTK7, hFc tagged protein per well

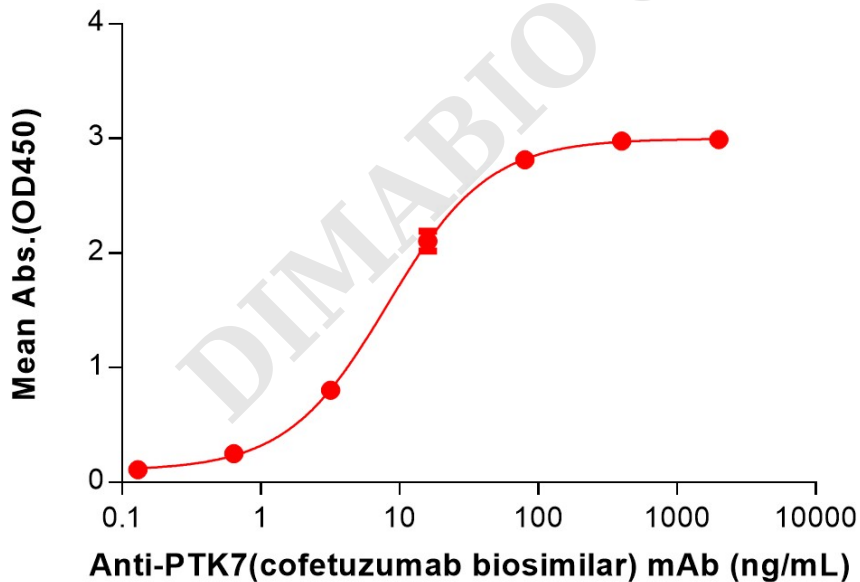


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human PTK7 Protein, hFc Tag (PME100086) can bind Anti-PTK7(cofetuzumab biosimilar) mAb (BME100236) in a linear range of 0.64–80 ng/mL.

