PRODUCT INFORMATION

Target	PTK7
Synonyms	CCK-4;CCK4
Description	Recombinant Human PTK7 protein with C-terminal human Fc
Delivery	In Stock
Uniprot ID	Q13308
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	PTK7(Ala31-Thr704) hFc(Glu99-Ala330)
Molecular Weight	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.
Purity	The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	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.
Storage&Shipping	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.
Background	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.
Usage	Research use only
Conjugate	Unconjugated

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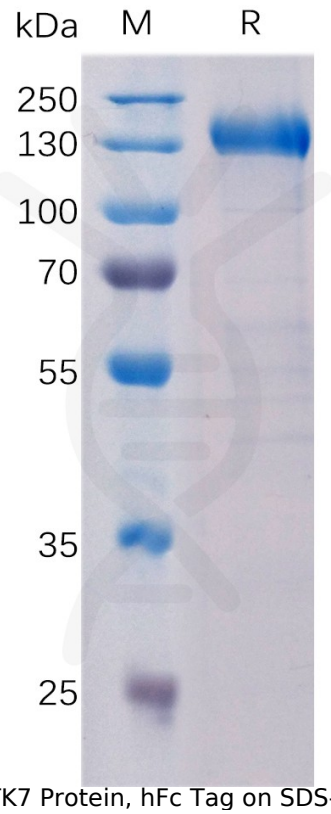


Figure 1. Human PTK7 Protein, hFc Tag on SDS-PAGE under reducing condition.

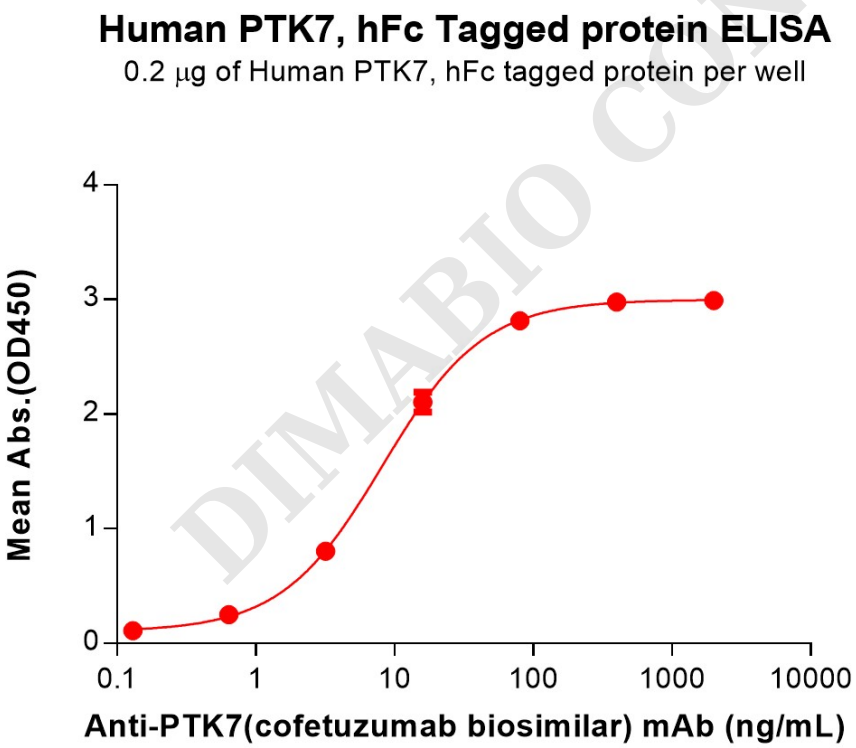


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human PTK7 Protein, hFc Tag (PME100086) can bind Anti-PTK7(cofetuzumab biosimilar) mAb (BME100236) in a linear range of 0.64–80 ng/mL.

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