HUMAN PTK7 PROTEIN, HFC TAG

Cat.#: 11206

Product Name: Human PTK7 Protein

Size : 10 μg, 50 μg and 100 μg

Synonyms: CCK-4;CCK4

Target: PTK7

UNIPROT ID: Q13308

Description: Recombinant Human PTK7 protein with C-terminal human Fc

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.

Species/Host: HEK293

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.

Molecular Characterization: PTK7(Ala31-Thr704) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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.

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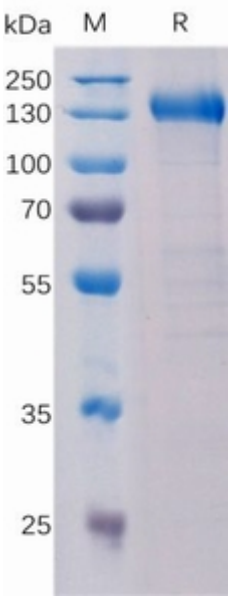

Figure 1. Human PTK7 Protein, hFc Tag on SDS-PAGE under reducing condition.

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