Recombinant Human PTK7 Protein, His&SUMO-tagged

Cat. No. PTK7-1202H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTK7 Protein (Ala31-Phe333) with His&SUMO tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala31-Phe333
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 47.3 kDa; Accurate Molecular Mass: 47 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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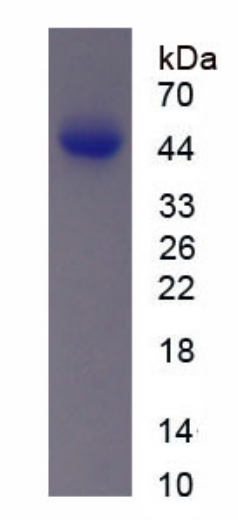
	accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	100mM NaHCO3, 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 100mM NaHCO3, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	PTK7 protein tyrosine kinase 7 (inactive) [Homo sapiens (human)]
Official Symbol	PTK7
Synonyms	PTK7; protein tyrosine kinase 7 (inactive); CCK4; CCK-4; inactive tyrosine-protein kinase 7; PTK7 protein tyrosine kinase 7; colon carcinoma kinase 4; pseudo tyrosine kinase receptor 7; tyrosine-protein kinase-like 7; EC 2.7.10.1
Gene ID	5754
mRNA Refseq	NM_002821
Protein Refseq	NP_002812
MIM	601890

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UniProt ID	Q13308



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