# Recombinant Rat Ptk7 Protein, His-tagged

**Cat. No.** Ptk7-2641R **Lot. No.** (See product label)

## SPECIFICATION

| | |
|---|---|
| **Product Overview** | Recombinant Rat Ptk7 Protein (Gln502-Gln775) with a N-His tag was expressed in E. coli. |
| **Species** | Rat |
| **Source** | E.coli |
| **ProteinLength** | Gln502-Gln775 |
| **Description** | Predicted to enable cell adhesion molecule binding activity. Predicted to be involved in several processes, including actin cytoskeleton reorganization; cellular response to retinoic acid; and positive regulation of canonical Wnt signaling pathway. Predicted to act upstream of or within several processes, including animal organ development; axis elongation; and morphogenesis of an epithelium. Predicted to be located in membrane. Predicted to be active in cell-cell junction and plasma membrane. Orthologous to human PTK7 (protein tyrosine kinase 7 (inactive)). |
| **Form** | Freeze-dried powder |
| **Molecular Mass** | Predicted Molecular Mass: 34.6 kDa<br>Accurate Molecular Mass: 35 kDa |
| **Endotoxin** | <1.0 EU per 1μg (determined by the LAL method). |
| **Purity** | > 90% |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|---|---|
| **Applications** | Positive Control; Immunogen; SDS-PAGE; WB. |
| **Stability** | The thermal stability is described by the loss rate. The loss rate was determined by 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** | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. |
| **Reconstitution** | Reconstitute in PBS or others. |

## GENE INFORMATION

| | |
|---|---|
| **Gene Name** | Ptk7 protein tyrosine kinase 7 [ Rattus norvegicus (Norway rat) ] |
| **Official Symbol** | Ptk7 |
| **Synonyms** | Ptk7; protein tyrosine kinase 7; inactive tyrosine-protein kinase 7<br>PTK7 protein tyrosine kinase 7<br>tyrosine-protein kinase-like 7<br>EC 2.7.10.1 |
| **Gene ID** | 301242 |
| **mRNA Refseq** | NM_001395741 |
| **Protein Refseq** | NP_001382670 |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|---|---|
| **UniProt ID** | D3ZHG3 |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA