

Certificate of Analysis

Recombinant Human PDK1 Expressed in Human Cells

PDK1 HumaXpress

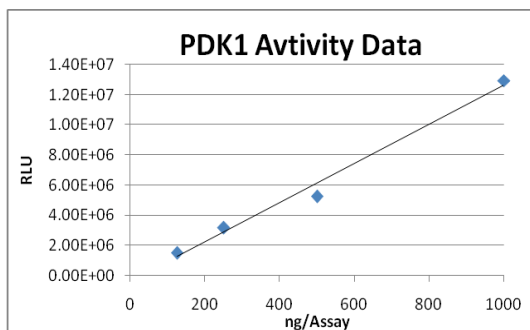
Cat #: HZ-2055 **Lot #:** CHI-0507

Product Description: Recombinant human full-length N-terminal GST-tagged PDK1 (Accession No: NM002613) expressed in engineered human cells.

Specific Activity: 38U/mg, where one unit of kinase activity is equivalent to 1nmole of ATP consumed in the presence of 100 μ M PDKtide substrate peptide (KTFCGTPEYLAPEVRREPRILSEEEQEMFRDFDYIADWC) per minute at 30°C with a final ATP concentration of 80 μ M.

Quality Control Testing

PDK1 Kinase: PDK1 was assayed with 100uM PDKtide substrate peptide. The PDK1 protein was incubated with substrate at 30°C for 10 minutes. Activity was measured and the luminescence signal was converted to ATP consumed in the reaction.



Purity Confirmation: Purity was assessed by SDS-PAGE and SimplyBlue SafeStaining using 500ng of PDK1 Kinase protein. Arrow indicates the GST-fused PDK1.

Formulation: 5 μ g of recombinant protein in 60 μ l of 50mM Tris, pH7.4, 5mM DTT, 10% glycerol, 1mM PMSF.

Storage and Stability: Stable for 6 months at -80°C from date of shipment (Avoid repeated freezing and thawing). For maximum recovery of product, centrifuge original vial prior to removing the cap.

Reference

Ricardo M et al (2000) *EMBO*, 19, 979–988

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