

Certificate of Analysis

Recombinant Human PKC beta Expressed in Human Cells

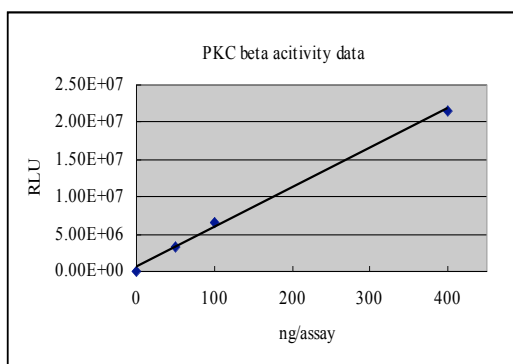
PKC beta **HumaXpress**
Cat #: HZ-2058b Lot #: CHI-0907

Product Description: Recombinant human full-length N-terminal GST-tagged PKC β (Accession No: BC036472) expressed in engineered human cells.

Specific Activity: 257U/mg, where one unit of kinase activity is equivalent to 1nmole of ATP consumed in the presence of 0.1mg/ml Histone H1 per minute at 30 °C with a final ATP concentration of 100 μ M.

Quality Control Testing

PKC β Kinase activity Assay: PKC β was assayed using 0.1mg/ml Histone H1 after stimulation. The PKC β protein was incubated with the substrate at 30°C for 10 minutes. Activity was measured and the luminescent signal was converted to the ATP consumed in the reaction.



Purity Confirmation: Purity was assessed by SDS-PAGE and SimplyBlue SafeStaining using 400ng of PKC β Kinase protein. Arrow indicates the GST-fused PKC β .

Formulation: 5 μ g of recombinant protein in 125 μ l of 50mM Tris, pH7.4, 150mM NaCl, 5mM DTT, 1mM PMSF. Frozen solution.

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

Newton A.C., et al (1995), *J. Biol. Chem.*, 270, 28495-28498
Kawakami, T., et al (2002), *J. Biochem.*, 132, 677-682

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