

Certificate of Analysis

Recombinant Human BTK3 Expressed in Human Cells

BTK3HumaXpress

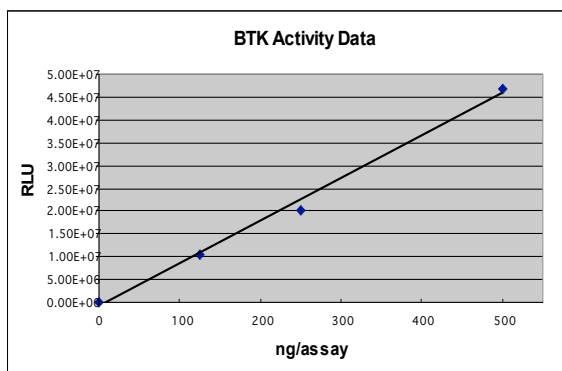
Cat #:HZ-2014 HZ- Lot #: CHI-0907

Product Description: Recombinant full length human BTK (Accession No: BC109079) terminal GST-tag, expressed in engineered human cells.

Specific Activity): 247U/mg, where one unit of kinase activity is equivalent to 1nmole of ATP consumed in the presence of 250 μ M SRC substrate peptide (KVEKIGEGTYGVVYK-amide) per minute at 30°C with a final ATP concentration of 80 μ M.

Quality Control Testing

BTK activity Assay: BTK was assayed with 250 μ M SRC substrate peptide. The BTK 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 BTK Kinase protein. Arrow indicates the GST-fused BTK.

Formulation: 5 μ g of recombinant protein in 115 μ l of 50mM Tris, pH7.4, 150mM NaCl, 5mM DTT, 1mM PMSF. Frozen solution.

Storage and Stability: Stable for one year at -80°C from date of shipment (Avoid repeated freezing and thawing).

Reference

Cheng, A., et al (1997) *Curr. Opin. Immunol.*, 9, 528-533

Yang, W., et al (1995) *J Biol Chem.*, 270, 20832-40

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