

Certificate of Analysis

Recombinant Human Aurora A Expressed in Human Cells

Aurora A HumaXpress

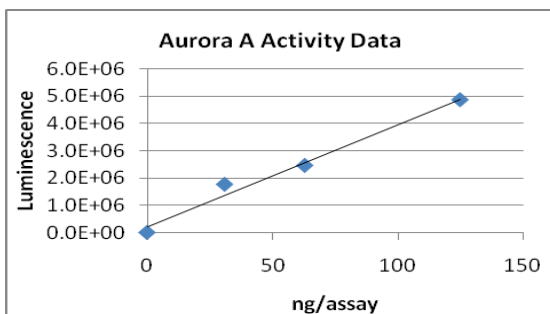
Cat #: HZ-2013 **Lot #:** CHI-0607

Product Description: Recombinant human full length Aurora A (Accession No: BC002499) with an N-terminal GST-tag, expressed in engineered human cells

Specific Activity: 133U/mg, where one unit of kinase activity is equivalent to 1nmole of ATP consumed in the presence of 0.2 mM Kemptide substrate peptide per minute at 30°C with a final ATP concentration of 90µM.

Quality Control Testing

Aurora A activity Assay: Aurora A was assayed with 0.2mM Kemptide substrate peptide. The Aurora A 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 Aurora A Kinase protein. Arrow indicates the GST-fused Aurora A.

Formulation: 5µg of recombinant protein in 60µl 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

Ferrari, S., et al (2005), *Biochem J.* 390, 293–302.

Bishop, J.D., et al., (2002) *J Biol Chem.* 277, 27577-27580.

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