

## Certificate of Analysis

### Recombinant Human JNK1 Expressed in Human Cells

JNK1HumaXpress

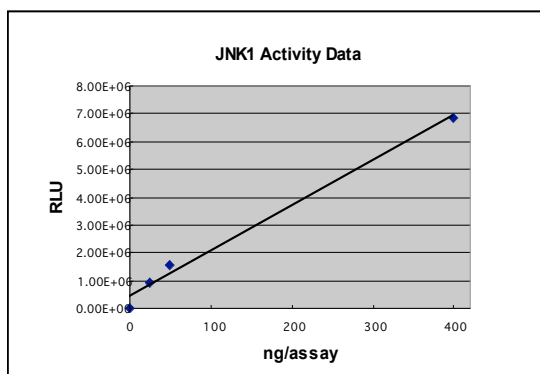
Cat #: HZ-2035 Lot #: CHI- 1007

**Product Description:** Recombinant human full-length N-terminal GST-tagged JNK1 (Accession No: L26318) expressed in engineered human cells.

**Specific Activity:** 124U/mg One unit of kinase activity is equivalent to 1nmole ATP consumed in the kinase reaction assay in the presence of 3 $\mu$ M ATF-2 per minute at 30°C with a final ATP concentration of 100 $\mu$ M.

#### Quality Control Testing

**JNK1 activity Assay:** JNK1 was assayed with 3  $\mu$ M ATF-2. The JNK1 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 200ng of JNK1. Arrow indicates the GST-fused JNK1.

**Formulation:** 5 $\mu$ g of recombinant protein in 300 $\mu$ 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

Davis, R.J. et al (1999) *Biochem. Soc. Symp.* 64, 1-12.

Whitmarsh, A.J. et al (1998) *Trends Biochem. Sci.* 23, 481-485.

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