

Certificate of Analysis

Recombinant Human MKK3 Expressed in Human Cells

MKK3HumaXpress

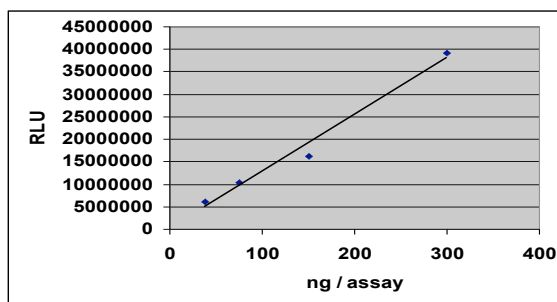
Cat #: HZ-2047 **Lot #:** CHI-1306

Product Description: Recombinant human full length MAP2K3 (Accession No: U66839) with an N-terminal GST-tag, expressed in engineered human cells.

Specific Activity: 105U/mg. One unit of kinase activity is defined as 1nmole ATP consumed in the kinase reaction assay in the presence of 0.1mg/ml GST-p38 α (SAP2 α) substrate per minute at 25°C with a final ATP concentration of 100 μ M.

Quality Control Testing

MAP2K3 activity Assay: MAP2K3 was assayed using 0.1mg/ml GST-p38 α (SAP2 α) substrate after stimulation. The MAP2K3 was incubated with the substrate at 25°C for 30 minutes. Activity was measured and the luminescent signal was converted to the ATP consumed in the reaction.



Purity Confirmation: The proteins were resolved through SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue. Arrow indicates the GST-fused to MAP2K3.

Formulation: 5 μ g of recombinant protein in 25 μ l of 50mM Tris, pH7.4, 5mM DTT, 10% glycerol

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

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Reference

Inoune T, et al (2005), *J Immunol.* 174: 4301-6.

Cheung P., et al (2004), *J Biol Chem.*, 279: 45308-11.

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