MAPK9
Recombinant Human JUN N-terminal Kinase 2 alpha 2 Active

Catalog No.	CRJ100	**Quantity:**	10 µg

Alternate Names: JNK-55, JNK2, JNK2A, JNK2ALPHA, JNK2B, JNK2BETA, PRKM9, SAPK, p54a, p54aSAPK

Description: Mitogen-Activated Protein Kinase 9 (MAPK9), more commonly known as JUN N-terminal Kinase 2 (JNK2), is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. MAPK9/JNK2 targets specific transcription factors, and thus mediates immediate-early gene expression in response to various cell stimuli. It is most closely related to MAPK8, both of which are known as JNKs and involved in UV radiation induced apoptosis, thought to be related to the Cytochrome c-mediated cell death pathway. MAPK9/JNK2 blocks the ubiquitination of tumor suppressor p53, and thus it increases the stability of p53 in nonstressed cells.

Recombinant Human MAPK9/JNK2 is full-length containing 424 amino acids that has been activated by MKK7/MEKK2.

Concentration: Typically >0.5 mg/mL

Gene ID: 5601

Source: *E. coli*

Molecular Weight: 49.6 kDa

Formulation: Liquid in 50 mM HEPES pH 7.5 + 100 mM NaCl + 5 mM DTT + 20% Glycerol.

Purity: Affinity chromatography

Specific Activity: 956 pmol/µg x min

Storage & Stability: Store at -80°C. **Avoid repeated freeze-thaw cycles.**

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