

37-1258: Human JNK1 / MAPK8 Recombinant Protein (GST Tag)(Discontinued)

Reactivity : Human

Alternative Name : JNK Protein, JNK-46 Protein, JNK1 Protein, JNK1A2 Protein, JNK21B1/2 Protein, PRKM8 Protein, SAPK1 Protein, SAPK1c Protein,

Description

Source : Baculovirus-Insect Cells

Mitogen-activated protein kinase 8 (MAPK8), also known as JNK1, 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. The protein kinases JNK1 has been found to serve as critical molecular links between obesity, metabolic inflammation, and disorders of glucose homeostasis. It is critically involved in the promotion of diet-induced obesity, metabolic inflammation and beta-cell dysfunction. The selective deficiency of JNK1 in the murine nervous system is sufficient to suppress diet-induced obesity. Genetic analysis indicates that the effects of JNK1 can be separated from effects of JNK1 on obesity. JNK1 is a potential pharmacological target for the development of drugs that might be useful for the treatment of metabolic syndrome, and type 2 diabetes. Furthermore, JNK1 plays a major role in the hypoxic cellular damage. JNK1 protein might be an attractive target for antihypoxic therapy in increasing resistance to many pathological conditions and diseases, leading to the oxygen deficit.

Product Info

Amount : Human JNK1 / MAPK8 Recombinant Protein (GST Tag)(Discontinued) / 50 µg

Purification : > 90 % as determined by SDS-PAGE

Content : Formulation Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 25% glycerol
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Storage condition : Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Amino Acid : Met1-Arg427

Application Note

Endotoxin :< 1.0 EU per µg of the protein as determined by the LAL method

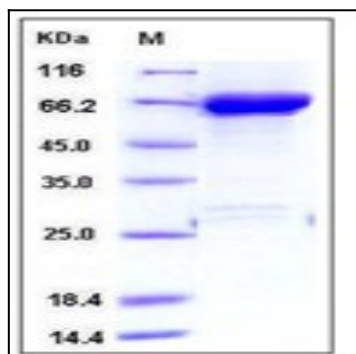


Fig 1: Human JNK1 / MAPK8 Recombinant Protein (GST Tag)