Datasheet for ABIN7317765

JNK Protein (GST tag)

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Overview

Quantity:	50 µg
Target:	JNK (MAPK8)
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This JNK protein is labelled with GST tag.

Product Details

Purpose:	Recombinant Human JNK1/MAPK8 Protein (GST Tag)
Sequence:	Met 1-Arg 427
Characteristics:	A DNA sequence encoding the full length of human MAPK8 isoform JNK1 alpha 2 (NP_620637.1) (Met 1-Arg 427) was expressed with the GST tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	JNK (MAPK8)
Alternative Name:	JNK1/MAPK8 (MAPK8 Products)
Background:	Background: 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,

Target Details

	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. Synonym: JNK,JNK-46,JNK1,JNK1A2,JNK21B1/2,PRKM8,SAPK1,SAPK1c
Molecular Weight:	75 kDa
NCBI Accession:	NP_620637
Pathways:	MAPK Signaling, WNT Signaling, TLR Signaling, Fc-epsilon Receptor Signaling Pathway, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Hepatitis C, Toll-Like Receptors Cascades, Signaling of Hepatocyte Growth Factor Receptor, S100 Proteins

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 50 mM Tris, 100 mM NaCl, pH 8.0, 25 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.