Recombinant Human MAPK13, GST-tagged

Cat. No. MAPK13-48H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human p38delta was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	This gene encodes a member of the mitogen-activated protein (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 encoded protein is a p38 MAP kinase and is activated by proinflammatory cytokines and cellular stress. Substrates of the encoded protein include the transcription factor ATF2 and the microtubule dynamics regulator stathmin. Alternatively spliced transcript variants have been observed for this gene.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~65 kDa
Purity	>80%
Applications	Kinase Assay, Western Blot

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	1 yr at -70ºC from date of shipment.
Storage	Store product at –70ºC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.2 ug/ul

GENE INFORMATION

Gene Name	MAPK13 mitogen-activated protein kinase 13 [Homo sapiens (human)]
Official Symbol	MAPK13
Synonyms	MAPK13; mitogen-activated protein kinase 13; SAPK4; PRKM13; MGC99536; p38delta; stress-activated protein kinase 4; mitogen-activated protein kinase p38 delta; mitogen activated protein kinase 13; EC 2.7.11.24
Gene ID	5603
mRNA Refseq	NM_002754
Protein Refseq	NP_002745
MIM	602899
UniProt ID	O15264
Chromosome Location	6p21.31
Pathway	Adrenergic signaling in cardiomyocytes; Amyotrophic lateral sclerosis (ALS);

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	Epithelial cell signaling in Helicobacter pylori infection
Function	ATP binding; MAP kinase activity; protein binding; protein serine/threonine kinase activity

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA