

## Recombinant Human MAPK13, GST-tagged, Active

Cat. No. MAPK13-374H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant full-length human MAPK13 was expressed by *baculovirus* in *Sf9 insect cell* using an N-terminal GST tag. MW=71 kDa.

**Species** Human

**Source** Sf9 Cells

**Description** P38 $\delta$  (SAPK4) is a member of the p38 MAPK family and is activated by chemical and environmental stresses as well as by proinflammatory cytokines. P38 $\delta$  has a TGY dual phosphorylation motif and is activated in response to cellular stresses and proinflammatory cytokines. MAP kinase kinases 3, and 6 can phosphorylate and activate this kinase. Transcription factor ATF2, and microtubule dynamics regulator stathmin have been shown to be the substrates of this kinase.

**Sequence** Full-length.

**Applications** Kinase Assay, Western Blot.

**Storage And Stability** Store product at  $-70^{\circ}\text{C}$ . 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.

### GENE INFORMATION

**Gene Name** MAPK13 mitogen-activated protein kinase 13 [ *Homo sapiens* ]

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<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">5603</a>
<b>mRNA Refseq</b>	<a href="#">NM_002754</a>
<b>Protein Refseq</b>	<a href="#">NP_002745</a>
<b>MIM</b>	<a href="#">602899</a>
<b>UniProt ID</b>	<a href="#">O15264</a>
<b>Chromosome Location</b>	6p21.31
<b>Pathway</b>	Amyotrophic lateral sclerosis (ALS); Epithelial cell signaling in Helicobacter pylori infection; Fc epsilon RI signaling pathway; GnRH signaling pathway; Leukocyte transendothelial migration; MAPK signaling pathway; Neurotrophin signaling pathway; RIG-I-like receptor signaling pathway; T cell receptor signaling pathway; Toll-like receptor signaling pathway; VEGF signaling pathway; Signalling by NGF
<b>Function</b>	ATP binding; MAP kinase activity; MAP kinase kinase activity; MP kinase activity; nucleotide binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity; transferase activity

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