

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 <i>baculovirus</i> in <i>Sf9</i> insect cell/s using an N-terminal GST tag. MW=71 kDa.
Species	Human
Source	Sf9 Cells
Description	P38δ (SAPK4) is a member of the p38 MAPK family and is activated by chemical and environmental stresses as well as by proinflammatory cytokines. P38δ 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 -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.

GENE INFORMATION

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