

## Recombinant Human MAPK11, GST-tagged, Active

Cat. No. MAPK11-373H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant full-length human MAPK11 was expressed by *baculovirus* in *Sf9 insect cell* using an N-terminal GST tag. MW=71 kDa.

**Species** Human

**Source** Sf9 Cells

**Description** P38 $\beta$  is a member of the p38 MAP kinase family and is activated by both proinflammatory cytokines and environmental stress. The p38 $\beta$  is activated through its phosphorylation by MAP kinase kinases (MKKs), preferably by MKK6. Transcription factor ATF2/CREB2 has been shown to be a substrate of this kinase. Alternatively spliced transcript variants encoding the same protein have been observed.

**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** MAPK11 mitogen-activated protein kinase 11 [ Homo sapiens ]

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<b>Synonyms</b>	MAPK11; mitogen-activated protein kinase 11; P38B; SAPK2; p38-2; PRKM11; SAPK2B; p38Beta; P38BETA2; OTTHUMP00000196655; stress-activated protein kinase-2; stress-activated protein kinase-2b; mitogen-activated protein kinase p38-2; mitogen-activated protein kinase p38 beta; EC 2.7.11.24
<b>Gene ID</b>	5600
<b>mRNA Refseq</b>	NM_002751
<b>Protein Refseq</b>	NP_002742
<b>MIM</b>	602898
<b>UniProt ID</b>	Q15759
<b>Chromosome Location</b>	22q13.33
<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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