

Recombinant Human MAPK14

Catalog No: #GP10663



Package Size: #GP10663-1 100ug

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Description

Product Name	Recombinant Human MAPK14
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 24-308 amino acids of human MAPK14
Target Name	mitogen-activated protein kinase 14
Other Names	RK; p38; CSBP; EXIP; Mxi2; CSBP1; CSBP2; CSPB1; PRKM14; PRKM15; SAPK2A; p38ALPHA
Accession No.	Swissprot:Q16539Gene Accession:BC000092
Uniprot	Q16539
GeneID	1432;
Storage	-20~-80°C, pH 7.6 PBS

Background

The protein encoded by this gene 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, differentiation, transcription regulation and development. This kinase is activated by various environmental stresses and proinflammatory cytokines. The activation requires its phosphorylation by MAP kinase kinases (MKKs), or its autophosphorylation triggered by the interaction of MAP3K7IP1/TAB1 protein with this kinase. The substrates of this kinase include transcription regulator ATF2, MEF2C, and MAX, cell cycle regulator CDC25B, and tumor suppressor p53, which suggest the roles of this kinase in stress related transcription and cell cycle regulation, as well as in genotoxic stress response. Four alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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