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MAPK14, 1-360aa, Human, His tag, E.coli

产品货号: TP02904

第三版

别名: Mitogen-activated protein kinase 14, CSBP, CSBP1, CSBP2, CSPB1, EXIP, Mxi2, p38, p38ALPHA, PRKM14, PRKM15, RK, SAPK2A.

描述: MAPK14 (Mitogen-activated protein kinase 14) is a member of the MAP kinase family. MAPK14 is most closely related to p38 MAP kinases (MAPKs). MAPKs are activated primarily in response to inflammatory cytokines and cellular stress, and inhibitors which target the MAPK14 and MAPK11 have shown potential for the treatment of inflammatory disease. 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.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 100mM NaCl

分子量: 43.7kDa (383aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMQERPTFYRQELNKTIWEVPERYQNLSPVGSAYGVSVAADFDTKTGLRVAVKKLS
RPFQSIHAKRTYRELRLKHKHENVIGLLDVFTPARSLEEFNDVYLVTHLMGADLNIVKQCQLTDDHVQFLIYQILRG
LKYIHSADIIHRDLKPSNLAVNEDCELKILDFGLARHTDDEMTGYVATRWYRAPEIMLNWMHYNQTVDIWSVGCIMAEL
LTGRTLFPDGDHIDQLKLILRLVGTPGAELLKKISSESARNYIQLTQMPKMNANVFIGNPLAVDLLEKMLVLDSDKRITA
AQALAHAYFAQYHDPDDEPVADPYDQSFESRDLLIDEWKSLTYDEVISFVPPPLDQEEMES

纯度: > 95% by HPLC

浓度: 0.5mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 °C 保存 (1-2 周). 长期保存在 -20 °C 或者 -70 °C. 避免反复冻融.