

**Product:** p38delta, active  
**Catalog #:** 02-2029  
**Amount:** 5 µg

**DESCRIPTION:** p38delta (SAPK4) is a member of the p38 MAPK family and is activated by chemical and environmental stresses as well as by proinflammatory cytokines. P38delta has a TGY dual phosphorylation motif and is activated in response to cellular stresses and proinflammatory cytokines (1). 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 (2)  
The gene accession number is [NM 002754](#)  
Gene Aliases: SAPK4; PRKM13; MAPK13

**SOURCE:** Recombinant full-length human p38delta was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag

**MOLECULAR WEIGHT:** 71 kDa

**PURITY:** > 80% (by densitometry)

**FORM:** Purified, in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol

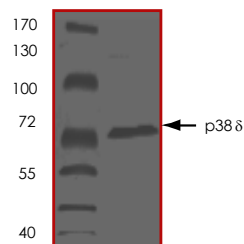
**CONCENTRATION:** 0.1 mg/ml

**SPECIFIC ACTIVITY:** 259 nmol/mim/mg

**STORAGE:** -70°C (aliquot). AVOID repeated Freeze/thaw cycles

**REFERENCE:**

1. Goedert, M. et al: Activation of the novel stress-activated protein kinase SAPK4 by cytokines and cellular stresses is mediated by SKK3 (MKK6); comparison of its substrate specificity with that of other SAP kinases. EMBO J. 16: 3563-3571, 1997
2. Kumar, S. et al: Novel homologues of CSBP/p38 MAP kinase: activation, substrate specificity and sensitivity to inhibition by pyridinyl imidazoles. Biochem Biophys Res Commun. 1997 Jun 27;235(3):533-8



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