

**Product:** p38beta, active  
**Catalog #:** 02-2028  
**Amount:** 5 µg

**DESCRIPTION:** p38-beta is a member of the p38 MAP kinase family and is activated by both proinflammatory cytokines and environmental stress (1). 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 (2). Alternatively spliced transcript variants encoding the same protein have been observed  
The gene accession number is **NM 002751**  
Gene Aliases: MAPK11; SAPK2; p38-2; PRKM11; SAPK2B; p38b; P38b2

**SOURCE:** Recombinant full-length human p38beta was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag

**MOLECULAR WEIGHT:** 71 kDa

**PURITY:** > 90% (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

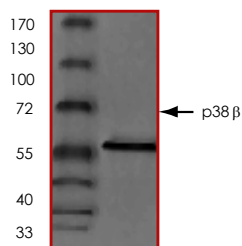
**CONCENTRATION:** 0.1 mg/ml

**SPECIFIC ACTIVITY:** 123 nmol/mim/mg

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

**REFERENCE:**

1. Jiang, Y. et al: Characterization of the structure and function of a new mitogen-activated protein kinase (p38-beta). *J. Biol. Chem.* 271: 17920-17926, 1996
2. Stein, B. et al: p38-2, a novel mitogen-activated protein kinase with distinct properties. *J. Biol. Chem.* 272: 19509-19517, 1997



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