

32-3056: MAPK9 Recombinant Protein

Alternative Name : Mitogen-activated protein kinase 9, MAP kinase 9, MAPK 9, JNK-55, Stress-activated protein kinase 1a, SAPK1a, Stress-activated protein kinase JNK2, c-Jun N-terminal kinase 2, MAPK9, JNK2, PRKM9, SAPK, p54a, JNK2A, JNK2B, JNK2BETA, p54aSAPK, JNK2ALPHA

Description

Source : Escherichia Coli. MAPK9 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 406 amino acids (1-382 a.a) and having a molecular mass of 46.6kDa. MAPK9 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Mitogen-activated protein kinase 9 (MAPK9) belongs to the MAP kinase family. MAP kinases function as an integration point for numerous biochemical signals, and are involved in a broad variety of cellular processes such as proliferation, differentiation, transcription regulation and development. MAPK9 targets specific transcription factors, and consequently mediates immediate-early gene expression in response to diverse cell stimuli. As an active dimer, MAPK9 can translocate to the nucleus and control transcription through its effects on c-Jun, ATF-2, and other transcription factors. MAPK9 blocks the ubiquitination of tumor suppressor p53, and so it increases the stability of p53 in nonstressed cells.

Product Info

Amount : 20 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : MAPK9 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 1mM DTT.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSMSDSKC DSQFYSVQVA DSTFTVLKRY QQLKPIGSGA QGIVCAAFDT VLGINAVKK LSRPFQNTQTH AKRAYRELV LKCVNHKNII SLLNVFTPQK TLEEFQDVYL VMELMDANLC QVIHMELDHE RMSYLLYQML CGIKHLHSAG IHRDLKPSN IVVKSDCTLK ILDFGLARTA CTNFMMPYV VTRYRAPEV ILGMGYKENV DIWSVGCIMG ELVKGCVIFQ GTDHIDQWNK VIEQLGTPSA EFMKKLQPTV RNYVENRPKY PGIKFEELFP DWIFPSESER DSIKTSQARD LLSKMLVIDP DKRISVDEAL RHPYITVWYD PAEAEAPPPQ IYDAQLEERE HAIEEWKELI YKEVMDWEER SKNGVVKDQP SAQMQQ.

