

**Product:** ASK1, active  
**Catalog #:** 02-2004  
**Amount:** 5 µg

**DESCRIPTION:** ASK1, also known as MAPKKK5, activates MKK3, MKK4 (SEK1), and MKK6. Overexpression of ASK1 induces apoptotic cell death, and ASK1 is activated in cells treated with tumor necrosis factor-alpha (1). ASK1 interacts with members of the TRAF family and is activated by TRAF2 in the TNF-signaling pathway. After activation by TRAF2, ASK1 activates MKK4, which in turn activates JNK. Thus, ASK1 is a mediator of TRAF2-induced JNK activation (2)  
The gene accession number is [NM 005923](#)  
Gene Aliases: ASK1; MEKK5; MAPKKK5

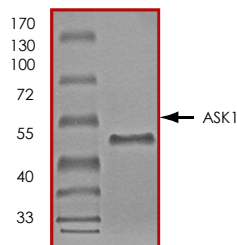
**SOURCE:** Recombinant human ASK1(649-946) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.

**MOLECULAR WEIGHT:** 60 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:** 97 nmol/mim/mg  
**STORAGE:** -70°C (aliquot). AVOID repeated Freeze/thaw cycles

**REFERENCE:**

1. Ichijo, H. et al: Induction of apoptosis by ASK1, a mammalian MAPKKK that activates SAPK/JNK and p38 signaling pathways. *Science* 275: 90-94, 1997
2. Nishitoh, H. et al: ASK1 is essential for JNK/SAPK activation by TRAF2. *Molec. Cell* 2: 389-395, 1998



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