

Product: STK3, active
Catalog #: 02-2060
Amount: 5 µg

DESCRIPTION: STK3, also known as MST2, encodes a protein of 491-amino acid which contains an N-terminal catalytic domain characteristic of STKs (1). STK3 and STK4 share 94% amino acid identity in the catalytic domain and 78% identity overall. RAF1 has been shown to counteract apoptosis by suppressing the activation of mammalian sterile 20-like kinase (MST2). STK3 is a kinase that is activated by the proapoptotic agents staurosporine and FAS ligand (2). STK3 activation presumably allows cells to resist unfavorable environmental conditions
The gene accession number is [BC010640](#)
Gene Aliases: KRS1; MST2

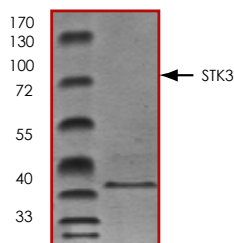
SOURCE: Recombinant full-length human STK3 was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag

MOLECULAR WEIGHT: 87 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: 277 nmol/min/mg
STORAGE: -70°C (aliquot). AVOID repeated Freeze/thaw cycles

REFERENCE:

1. Creasy, C L. et al: Cloning and characterization of a member of the MST subfamily of Ste20-like kinases. *Gene* 167: 303-306, 1995
2. Lee, K K. et al: MST, a physiological caspase substrate, highly sensitizes apoptosis both upstream and downstream of caspase activation. *J. Biol. Chem.* 276: 19276-19285, 2001



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