

**STK3, 1-322aa, Human, His-tag, Baculovirus**

**Cat.NO.: TP04066**

3th Edition

**Synonyms:** Serine/threonine-protein kinase 3, STK3, KRS1, MST2

**Description:** STK3, also known as serine/threonine-protein kinase 3, is a mammalian Ste20-related protein kinases most closely related to Drosophila Hippo, a major regulator of cell proliferation and survival during development. It is a serine/threonine kinase that functions early in a pheromone responsive signal transduction cascade in yeast. It activates the human large tumor suppressor kinase Lats1. It modulates stress-induced cardiac hypertrophy. Recombinant human STK3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:** 37.6kDa (331aa), 40-57kDa (SDS-PAGE under reducing conditions)

**Sequences:**

ADPMEQPPAPKSKLKKLSEDSLTKQPEEVFDVLEKLGEGSYGSVFKAIHKESGQVVAIKQVPVESDLQEIIKEISIMQ  
QCDSPLYVVKYYGSYFKNTDLWIVMEYCGAGSVSDIIRLRNKTLEDEIATILKSTLKGLEYLHFMRKIHRDIKAGNILLN  
TEGHAKLADFGVAGQLTDTMAKRNTVIGTPFWMAPEVIQEIGYNCVADIWSLGITSIEMAEGKPPYADIHPMRAIFMI  
PTNPPPTFRKPELWSDDFTFVKKCLVKNPEQRATATQLLQHPFIKNAKPVSILRDLITEAMEIKAKRHEEQQRELEE  
EEENSDEDELDDHHHHHH

**Purity:** > 95% by HPLC

**Concentration:** 0.25mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.