

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:

ADPMEQPPAPKSKLKKLSEDSLTKQPEEVFDVLEKLGEESYGSVFKAIHKESGQVVAIKQVPVESDLQEIIKEISIMQ
QCDSPIYVVKYYGSYFKNTDLWIVMEYCGAGSVSDIIRLRNKTLEDEIATILKSTLKGLEYLHFMRKIHRDIKAGNILLN
TEGHAKLADFGVAGQLTDTMAKRNTVIGTPFWMAPEVIQEIGYNCVADIWSLGITSIEMAEGKPPYADIHPMRAIFMI
PTNPPPTFRKPELWSDDFTFVKKCLVKNPEQRATATQLLQHPIKNAKPVSILRDLITEAMEIKAKRHEEQQRELEE
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.