
Product Data Sheet

Product Name: STK3 Human
 Cat. No.: GP22627
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9 Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Serine/Threonine Kinase 3; Mammalian STE20-like proteinkinase 2; MST-2; STE20-like kinase MST2; Serine/threonine-protein kinase Krs-1;MST2/N; MST2/C; KRS1;MST2.		
Amino Acid Sequence	ADPMEQPPAP KSKLKKLSEDSLTKQPEEVF DVLEKLGEGS YGSVFKAIHK ESGQVVAIKQ VPVESDLQEI IKEISIMQQC DSPYVVKYYG SYFKNTDLWIVMEYCGAGSV SDIIRLRNKT LIEDEIATIL KSTLKGLEYL HFMRKIHRDI KAGNILLNTE GHAKLADFGVAGQLTDTMAK RNTVIGTPFW MAPEVIQEIG YNCVADIWSL GITSIEMAEG KPPYADIHPM RAIFMIPTNP PPTFRKPELW SDDFTDFVKK CLVKNPEQRA TATQLLQHPF IKNAKPVSIL RDLITEAMEI KAKRHEEQQR EEEEEENSDEDEL DHHHHH H.		
Formulation	STK3 protein solution (0.25mg/ml) containing PhosphateBuffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Serine/threonine-protein kinase 3 (), is a mammalian Ste20-related protein kinases most closely related to Drosophila Hippo, which is a major regulator of cell proliferation as well as survival in the course of development. STK3 is a serine/threonine kinase which functions early in a pheromone responsive signal transduction cascade in yeast. Furthermore, STK3 activates the human large tumor suppressor kinase Lats1. STK3 also modulates stress-induced cardiac hypertrophy.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Background

STK3 Human Recombinant produced in Sf9 Insect cell is a single, non-glycosylated polypeptide chain containing 331 amino acids (1-322aa.a) and having a molecular mass of 37.6kDa (Migrates at 40-57kDa on SDS-PAGE under reducing conditions). STK3 is fused to a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA