
Product Data Sheet

Product Name: STK11 Human

Cat. No.: GP26197

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Serine/threonine-protein kinase STK11, Liver kinase B1, LKB1, hLKB1, Renal carcinoma antigen NY-REN-19, STK11, LKB1, PJS		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMEVVDPO QLGMFTEGEL MSVGMDFIHR RIDSTEVIYQ PRRKRAKLIG KYLMGDLLGE GSYGKVKEVL DSETLCRRRAV KILKKKLLRR IPNGEANVKK EIQLLRRLRH KNVIQLVDVL YNEEKQKMYM VMEYCVCGMQ EMLDSVPEKR FPVCQAHGYF CQLIDGLEYL HSQGIVHKDI KPGNLLTTG GTLKISDLGV AEALHPFAAD DTCRTSQGSP AFQPPEIANG LDTFSGFKVD IWSAGVTLYN ITTGLYPFEG DNIYKLFENI GKGSYAIPGD CGPPLSDLLK GMLEYEPAKR FSIRQIRQHS WFRKKHPPAE APVPIPPSPD TKDRWRSMTV VPYLEDLHGA DEDEDLFDIE DDIYTQDFT VPGQVPEEEA SHNGQRRGLP KAVCMNGTEA AQLSTKSRAE GRAPNPARKA CSASSKIRRL SACKQQ		
Formulation	The STK11 solution (0.5mg/ml) contains 10% Glycerol and 20mM Tris-HCl buffer (pH 8.0).		

Introduction

STK11, which controls cell polarity and functions as a tumour suppressor, belongs to the serine/threonine kinase family. Mutations in this gene have been linked to Peutz-Jeghers syndrome- an autosomal dominant disorder. It is characterized by the growth of polyps in the gastrointestinal tract, pigmented macules on the skin and mouth, and other neoplasms.

Stability

Store at 46yC if entire vial will be used within 2-4 weeks. Store, frozen at -206yC for longer periods of time. For long term storage it is recommended to add a carrier protein

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

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(0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

STK11 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 456 amino acids (1-433) and having a molecular mass of 51kDa. STK11 is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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