Recombinant human LKB1/STK11 protein

Catalog Number: ATGP2952

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-433aa

UniProt No.
Q15831

NCBI Accession No.
NP_000446

Alternative Names
Serine/threonine-protein kinase 11, Polarization-related protein LKB1, PJS

PRODUCT SPECIFICATION

Molecular Weight
51kDa (456aa)

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
SK11 is a member of the serine/threonine kinase family, regulates cell polarity and functions as a tumor suppressor. Mutations in this gene have been associated with Peutz-Jeghers syndrome, an autosomal dominant disorder characterized by the growth of polyps in the gastrointestinal tract, pigmented macules on the skin and mouth, and other neoplasms. Recombinant human STK11 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

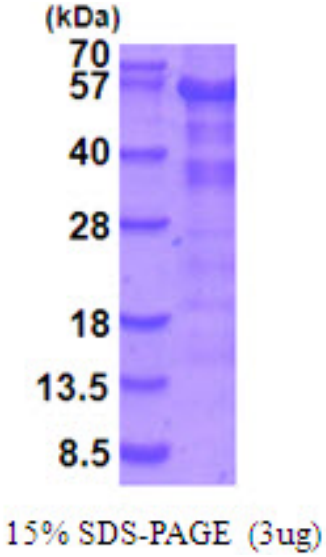
MGSSHHHHHH SSGLVPRGSH MGSMEVVDPQ QLGMFTEGEL MSVGMDTFIH RIDSTEVIYQ PRRKRAKLIG KYLMGDLLGE GSYGKVKEVL DSETLCRRAV KILKKKKLRR IPNGEANVKK EIQLLRRLRH KNVIQLVDVL YNEEKQKMYM VMEYCVCGMQ EMLDSVPEKR FPVCQAHGYF CQLIDGLEYL HSQGIVHKDI KPGNLLLTTG GTLKISDLGV AEALHPFAAD DTCRTSQGSP AFQPPEIANG LDTFSGFKVD IWSAGVTLYN ITTGLYPFEG DNIYKLFENI GKGSYAIPGD CGPPLSDLLK GMLEYEPAKR FSIRQIRQHS WFRKKHPPAE APVPIPPSPD TKDRWRSMTV VPYLEDLHGA DEDEDLFDIE DDIIYTQDFT VPGQVPEEEA SHNGQRRGLP KAVCMNGTEA AQLSTKSRAE GRAPNPARKA CSASSKIRRL SACKQQ

General References

Mack HI.,et al. (2013) Virology 446 (1-2), 9-16

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.