

Recombinant Full Length Human STK11 Protein, His tagged

Cat. No. STK11-08H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human STK11 protein (1-433aa), fused to His-tag at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-433 aa
Description	The protein encoded by this gene is a serine/threonine kinase that regulates cell polarity and energy metabolism and functions as a tumor suppressor. Mutations in this gene have been associated with the autosomal dominant Peutz-Jeghers syndrome, as well as with skin, pancreatic, and testicular cancers.
Form	Liquid in 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Molecular Mass	51 kDa (456 aa)
AASequence	<p>MGSSHHHHHSSGLVPRGSHMGSMEVVDPPQQLGMFTEGELMSVGMDFIHRIDST EVIYQPRRKRAKLIGKYLMDLLGEGSYGKVKEVLDSETLCRRAVKILKKKLRIPN GEANVKKEIQLLRRLRHKNVIQLVDVLYNEEKQKMYMVMMEYCVCGMQEMLDSVPEK RFPVCAHGYFCQLIDGLEYLHSSQGVVHKDIKPGNLLTTGGTLKISDLGVAEALHPF AADDTCRTSQGSPAFQPPEIANGLDTFSGFKVDIWSAGVTLYNITTGLYPFEGDNIYK LFENIGKGSYAIPGDCGPPLSDLLKGMLEYEPAKRFSIRQIRQHSWFRKKHPPAEAP VPIPPSPDTKDRWRSMTVVPYLEDLHGADEDEDLFDIEDDIIYTQDFTVPGQVPEEE</p>

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	ASHNGQRRGLPKAVCMNGTEAAQLSTKSRAEGRAPNPARKACSSASSKIRRLSACK QQ
Purity	> 85% by SDS-PAGE
Applications	SDS-PAGE, Denatured
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/mL (determined by Bradford assay)
Reference	1. Mack HL.,et al. (2013) Virology 446 (1-2), 9-16

GENE INFORMATION

Gene Name	STK11 serine/threonine kinase 11 [Homo sapiens (human)]
Official Symbol	STK11
Synonyms	STK11; serine/threonine kinase 11; PJS; LKB1; hLKB1; serine/threonine-protein kinase STK11; liver kinase B1; polarization-related protein LKB1; renal carcinoma antigen NY-REN-19; serine/threonine-protein kinase 11; serine/threonine-protein kinase LKB1; EC 2.7.11.1
Gene ID	6794
mRNA Refseq	NM_000455

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Protein Refseq	NP_000446
MIM	602216
UniProt ID	Q15831

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