

Recombinant Mouse Stk11 Protein, His-tagged

Cat. No. Stk11-668M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Stk11(Tyr49~Phe309) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Tyr49~Phe309
Description	This gene encodes a member of the serine/threonine kinase family. The encoded protein, a known tumor suppressor, activates (via phosphorylation) adenine monophosphate-activated protein kinase (AMPK) and AMPK-related kinase proteins. This upstream regulation of the AMPK pathway is thought to regulate a number of different processes, including cell metabolism, cell polarity, apoptosis and DNA damage response. Mutations in a similar gene in human have been associated with Peutz-Jeghers syndrome. Alternative splicing results in multiple transcript variants, including the S isoform which plays a potential role in spermiogenesis.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	33.4kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Stk11 serine/threonine kinase 11 [<i>Mus musculus</i>]
Official Symbol	Stk11
Synonyms	STK11; serine/threonine kinase 11; serine/threonine-protein kinase STK11; LKB1 short isoform; liver kinase B1 homolog; serine/threonine-protein kinase 11; serine/threonine-protein kinase LKB1; Lkb1; Par-4; mLKB1; R75140; AA408040;
Gene ID	20869
mRNA Refseq	NM_011492
Protein Refseq	NP_035622
UniProt ID	Q9WTK7

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