

## Recombinant Mouse Stk3 Protein, His&SUMO-tagged

Cat. No. Stk3-1243M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Stk3 Protein (Thr235-Ala460) with His&SUMO tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Thr235-Ala460
<b>Description</b>	Predicted to enable several functions, including ATP binding activity; identical protein binding activity; and magnesium ion binding activity. Involved in hippo signaling. Acts upstream of or within several processes, including embryonic organ development; nervous system development; and regulation of signal transduction. Located in cytoplasm. Is expressed in female associated reproductive structure; male associated reproductive structure; and renal vasculature. Orthologous to human STK3 (serine/threonine kinase 3).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 39.8 kDa; Accurate Molecular Mass: 49 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	Stk3 serine/threonine kinase 3 (Ste20, yeast homolog) [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Stk3
<b>Synonyms</b>	STK3; serine/threonine kinase 3 (Ste20, yeast homolog); serine/threonine-protein kinase 3; MST-2; STE20-like kinase MST2; protein kinase homolog; mammalian STE20-like protein kinase 2; MST; Mst2; Mst3; mess1; 0610042I06Rik;
<b>Gene ID</b>	56274
<b>mRNA Refseq</b>	NM_019635
<b>Protein Refseq</b>	NP_062609

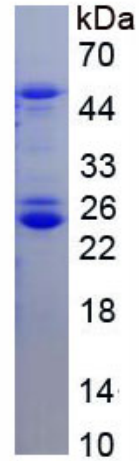
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UniProt ID

Q9JI10



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