

Recombinant Mouse Stk3 Protein, His&SUMO-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Stk3 Protein (Thr235-Ala460) with His&SUMO tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Thr235-Ala460
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.8 kDa; Accurate Molecular Mass: 49 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Stk3 serine/threonine kinase 3 (Ste20, yeast homolog) [Mus musculus (house mouse)]
Official Symbol	Stk3
Synonyms	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;
Gene ID	56274
mRNA Refseq	NM_019635
Protein Refseq	NP_062609

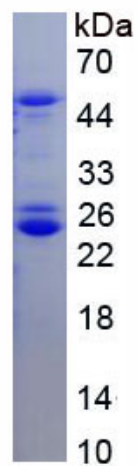
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UniProt ID

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