

## Recombinant Human STK39 protein, His & T7-tagged

**Cat. No.** STK39-1464H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human STK39 aa. (Tyr63~Ser545 (Accession # Q9UEW8)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Tyr63~Ser545
<b>Description</b>	This gene encodes a serine/threonine kinase that is thought to function in the cellular stress response pathway. The kinase is activated in response to hypotonic stress, leading to phosphorylation of several cation-chloride-coupled cotransporters. The catalytically active kinase specifically activates the p38 MAP kinase pathway, and its interaction with p38 decreases upon cellular stress, suggesting that this kinase may serve as an intermediate in the response to cellular stress.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	63kDa as determined by SDS-PAGE reducing conditions.
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>90%
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.
<b>Isoelectric Point</b>	6

## GENE INFORMATION

<b>Gene Name</b>	STK39 serine/threonine kinase 39 [ Homo sapiens (human) ]
<b>Official Symbol</b>	STK39
<b>Synonyms</b>	STK39; serine/threonine kinase 39; DCHT; PASK; SPAK; STE20/SPS1-related proline-alanine-rich protein kinase; STE20/SPS1 homolog; Ste20-like protein kinase; proline-alanine-rich STE20-related kinase; serine threonine kinase 39 (STE20/SPS1 homolog, yeast); serine/threonine-protein kinase 39; small intestine SPAK-like kinase; ste-20-related kinase
<b>Gene ID</b>	27347
<b>mRNA Refseq</b>	NM_013233.2
<b>Protein Refseq</b>	NP_037365.2

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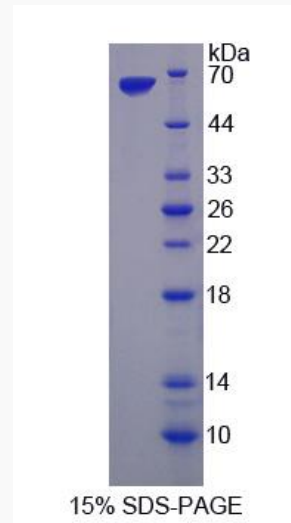
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UniProt ID

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SDS-PAGE



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