

Recombinant Human STK39 protein, His & T7-tagged

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

SPECIFICATION

Product Overview	Recombinant Human STK39 aa. (Tyr63~Ser545 (Accession # Q9UEW8)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Tyr63~Ser545
Description	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.
Form	Freeze-dried powder
Molecular Mass	63kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.

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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°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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	6

GENE INFORMATION

Gene Name	STK39 serine/threonine kinase 39 [Homo sapiens (human)]
Official Symbol	STK39
Synonyms	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
Gene ID	27347
mRNA Refseq	NM_013233.2
Protein Refseq	NP_037365.2

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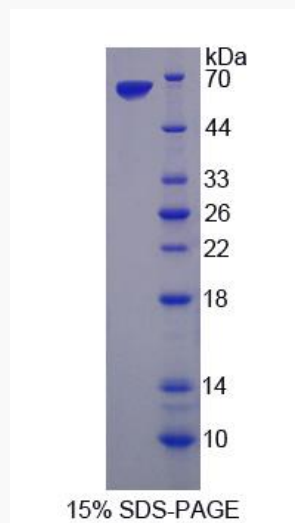
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UniProt ID

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SDS-PAGE

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