

# Recombinant Full Length Human STK39 Protein, GST-tagged

Cat. No. STK39-6825HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human STK39 Full-Length ORF Protein (1-545 aa) is produced by Wheat Germ (in vitro) expression system. This protein is fused with a GST tag at the N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	545 amino acids
<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>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	85.9 kDa
<b>AA Sequence</b>	MAEPSGSPVHVQLPQQAAPVTA AAAA A PAAATAAPAPAAPAAPAPAPAPAAQAVG WPICRDAYELQEVI GSGATAVVQAALCKPRQERVAIKRINLEKCQTSMD ELLKEIQAM SQCSHPNVVTTYTSFVVKDELWLV MKLLSGGSMLDI IKYIVNRGEHKNGVLEEAI IATI LKEVLEGLDYLHRNGQIHRDLKAGNILLGEDG SVQIADFGVSAFLATGGDVTRNKVR

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

KTFVGTPCWMAPEVMEQVRGYDFKADMWSFGITAIELATGAAPYHKYPPMKVLMMLT  
 LQNDPPTLETGVEDKEMMKYKGSFRKLLSLCLQKDPKRPTAAELLKCKFFQKAK  
 NREYLIEKLLTRTPDIAQRAKKVRRVPGSSGHLHKTEDGDWEWSDDEMDEKSEEGK  
 AAFSQEKSRVKEENPEIAVSASTIPEQIQLSVHDSQGPPNANEDYREASSCAVNL  
 VLRLRNSRKELNDRFEFTPGRDTADGVSQELFSAGLVDGHDVVIVAANLQKIVDDP  
 KALKTLTFKLAGCDGSEIPDEVKLGFAQLSVS

**Applications**

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
 Antibody Production; Protein Array

**Notes**

Best use within three months from the date of receipt of this protein

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name**

STK39 serine threonine kinase 39 [ Homo sapiens ]

**Official Symbol**

STK39

**Synonyms**

STK39; DCHT; SPAK; PASK; DKFZp686K05124;

**Gene ID**

27347

**mRNA Refseq**

NM\_013233

**Protein Refseq**

NP\_037365

**MIM**

607648

**UniProt ID**

Q9UEW8

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