

Recombinant Human STK39 Protein, GST-tagged

Cat. No. STK39-679H Lot. No. (See product label)

SPECIFICATION

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|-------------------------|--|
| Product Overview | 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. |
| Species | Human |
| Source | Wheat Germ |
| ProteinLength | 1-545 aa |
| 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 | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| Molecular Mass | 85.9 kDa |
| AA Sequence | MAEPSGSPVHVQLPQQAAPVTA AAAA PAAATAAPAPAAPAAPAPAPAPAAQAVG WPICRDAYELQEVI GSGATAVVQAALCKPRQERVAIKRINLEKCQTSMDPELLKEIQAM SQC SHPNVVTTYTSFVVKDELWLV MKLLSGGSMLDI IKYIVNRGEHKNGVLEEAIATI LKEVLEGLDYLHRNGQIHRDLKAGNILLGEDG SVQIADFGVSAFLATGGDVTRNKVR |

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KTFVGTPCWMAPEVMEQVRGYDFKADMWSFGITAIELATGAAPYHKYPPMKVLMMLT
 LQNDPPTLETGVEDKEMMKYKGSFRKLLSLCLQKDPSKRPTAAELLKCKFFQKAK
 NREYLIEKLLTRTPDIAQRAKKVRRVPGSSGHLHKTEDGDWEWSDDEMDEKSEEGK
 AAFSQEKSRVKEENPEIAVSASTIPEQIQLSVHDSQGPPNANEDYREASSCAVNL
 VLRLRNSRKELNDRFEFTPGRDTADGVSQELFSAGLVDGHDVVIVAANLQKIVDDP
 KALKTLTFKLASGCDGSEIPDEVKLGFAQLSVS

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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