

Recombinant Human STK3, GST-tagged, Active

Cat. No. STK3-437H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human STK3 was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag. MW = 87 kDa.
Species	Human
Source	Sf9 Cells
Description	STK3, also known as MST2, encodes a protein of 491-amino acid which contains an N-terminal catalytic domain characteristic of STKs. STK3 and STK4 share 94% amino acid identity in the catalytic domain and 78% identity overall. RAF1 has been shown to counteract apoptosis by suppressing the activation of mammalian sterile 20-like kinase (MST2). STK3 is a kinase that is activated by the proapoptotic agents staurosporine and FAS ligand. STK3 activation presumably allows cells to resist unfavorable environmental conditions.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Gene Name	STK3 serine/threonine kinase 3 (STE20 homolog, yeast) [Homo sapiens]
Synonyms	STK3; serine/threonine kinase 3 (STE20 homolog, yeast); KRS1; MST2; FLJ90748; serine/threonine kinase 3; serine/threonine kinase 3 (Ste20, yeast homolog); EC 2.7.11.1; MST-2; Mammalian STE20-like protein kinase 2; STE20-like kinase MST2; Serine/threonine-protein kinase Krs-1; Serine/threonine-protein kinase 3
Gene ID	6788
mRNA Refseq	NM_006281
Protein Refseq	NP_006272
MIM	605030
UniProt ID	Q13188
Chromosome Location	8q22.2
Pathway	MAPK signaling pathway
Function	ATP binding; magnesium ion binding; nucleotide binding; protein dimerization activity; protein serine/threonine kinase activity; transferase activity

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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