Recombinant Human Serine/Threonine Kinase 38, GST-tagged

Cat. No. STK38-1107H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length recombinant human STK38 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	STK38 is a serine/threonine kinase in the subgroup of the AGC kinase family that is regulated by Mob proteins. Fas and TNFα receptor stimulation activates human STK38 by promoting phosphorylation at the hydrophobic motif. STK38 acts as a novel pro-apoptotic kinase, and is a key member of the RASSF1A/MST1 signaling cascade. STK38 is crucial for the fidelity of mitotic chromosome alignment in mammalian cells. STK38 is incorporated into the HIV-1 particles and is cleared by the HIV-1 protease. STK38-driven centrosome duplication requires Cdk2 activity, and Cdk2-induced centrosome amplification is affected upon reduction of STK38 activity.
Applications	Western Blot
Molecular Weight	81 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25% glycerol.

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

Purity	> 80 %
Concentration	0.2 ug/ul
Sequences	Full-length
Storage	Store product at -70oC. 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

Gene Name	STK38 serine/threonine kinase 38 [Homo sapiens]
Official Symbol	STK38
Synonyms	STK38; serine/threonine kinase 38; NDR; NDR1; Nuclear Dbf2-related kinase 1; NDR1 protein kinase; serine/threonine-protein kinase 38; serine threonine protein kinase; nuclear Dbf2-related 1; EC 2.7.11.1
Gene ID	11329
mRNA Refseq	NM_007271
Protein Refseq	NP_009202
MIM	606964
UniProt ID	Q15208
Chromosome Location	6p21

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

Function	ATP binding; magnesium ion binding; mitogen-activated protein kinase kinase kinase binding; nucleotide binding; protein binding; protein serine/threonine kinase 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