

Recombinant Human Serine/Threonine Kinase 25, GST-tagged

Cat. No. STK25-1103H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full-length recombinant human STK25 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	STK25 is a serine/threonine kinase that is activated by autophosphorylation and by reactive oxygen intermediates, but is not activated by growth factors, alkylating agents, cytokines, or environmental stresses. STK25 is expressed ubiquitously with highest expression in brain and testis. STK25 regulates cell death after chemical anoxia, as its down-regulation by RNA interference enhances cell survival. STK25 entry into the nucleus is important for the cell death response since STK25 mutants unable to enter the nucleus do not induce cell death.
Applications	Kinase Assay; Western Blot
Molecular Weight	76 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.
Specific Activity	11 nmol/min/mg

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Purity	> 90 %
Concentration	0.1 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	STK25 serine/threonine kinase 25 [Homo sapiens]
Official Symbol	STK25
Synonyms	STK25; serine/threonine kinase 25; SOK1; YSK1; DKFZp686J1430; serine/threonine kinase 25 (Ste20, yeast homolog); Serine/threonine-protein kinase 25; EC=2.7.11.1; Ste20-like kinase; Sterile 20/oxidant stress-response kinase 1; Ste20/oxidant stress response kinase 1; SOK-1; OTTHUMP00000200205; OTTHUMP00000200206; OTTHUMP00000200202; OTTHUMP00000200203; OTTHUMP00000200204; OTTHUMP00000200207; OTTHUMP00000200208; OTTHUMP00000200210; OTTHUMP00000200213; OTTHUMP00000200214; OTTHUMP00000200215; OTTHUMP00000200216; OTTHUMP00000200217; OTTHUMP00000200218; OTTHUMP00000200219; OTTHUMP00000200232; OTTHUMP00000164603; serine/threonine kinase 25 (STE20 homolog, yeast); serine/threonine-protein kinase 25; Ste20, yeast homolog; sterile 20 (oxidant stress response kinase 1; yeast Sps1/Ste20-related kinase 1); EC 2.7.11; EC 2.7.11.1
Gene ID	10494

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mRNA Refseq	NM_006374
Protein Refseq	NP_006365
MIM	602255
UniProt ID	O00506
Chromosome Location	2q37.3
Function	ATP binding; metal ion binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity

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