

Recombinant Human STK4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. STK4-1862H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	STK4 MS Standard C13 and N15-labeled recombinant protein (NP_006273) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a cytoplasmic kinase that is structurally similar to the yeast Ste20p kinase, which acts upstream of the stress-induced mitogen-activated protein kinase cascade. The encoded protein can phosphorylate myelin basic protein and undergoes autophosphorylation. A caspase-cleaved fragment of the encoded protein has been shown to be capable of phosphorylating histone H2B. The particular phosphorylation catalyzed by this protein has been correlated with apoptosis, and it's possible that this protein induces the chromatin condensation observed in this process.
Molecular Mass	55.6 kDa
AA Sequence	METVQLRNPPRRQLKKLDEDSLTKQPEEVFDVLEKLGEGSVYKAIHKETGQIVA IKQVPVESDLQEIIKEISIMQQCDSPHVVKYYGSYFKNTDLWIVMEYCGAGSVSDIIRL RNKLTLEDEIATILQSTLKGLEYLHFMRKIHRDIKAGNILLNTEGHAKLADFGVAGQLT DTMAKRNTVIGTPFWMAPEVIQEIGYNCVADIWSLGITAIEMAEGKPPYADIHPMRI FMIPTNPPPTFRKPELWSDNFTDFVKQCLVKSPEQRATATQLLQHPFVRSAGVSVIL

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RDLINEAMDVKLKRQESQQREVDQDDEENSEEDEMDSGTMVRAVGDEMGTVRVA
STMTDGANTMIEHDDTLPSQLGTMVINAEDDEEEEGTMKRRDETMQPAKPSFLEYFE
QKEKENQINSFGKSVPGLKNSSDWKIPQDGDYEFKLSWTVEDLQKRLLALDPMME
QEIEEIRQKYQSKRQPILDAIEAKKRRQQNFTRTRPLEQKLISEEDLAANDILDYKDDD
DKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name STK4 serine/threonine kinase 4 [Homo sapiens (human)]

Official Symbol STK4

Synonyms STK4; serine/threonine kinase 4; serine/threonine-protein kinase 4; kinase responsive to stress 2; KRS2; mammalian sterile 20 like 1; MST1; yeast Ste20 like; YSK3; MST-1; STE20-like kinase MST1; mammalian sterile 20-like 1; mammalian STE20-like protein kinase 1; serine/threonine-protein kinase Krs-2; dJ211D12.2 (serine/threonine kinase 4 (MST1, KRS2)); DKFZp686A2068;

Gene ID 6789

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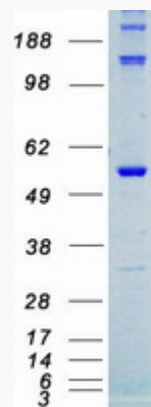
mRNA Refseq NM_006282

Protein Refseq NP_006273

MIM 604965

UniProt ID Q13043

SDS-PAGE



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