

Recombinant Full Length Human STK4 Protein, C-Flag-tagged

Cat. No. STK4-1488HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human STK4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	55.4 kDa
AA Sequence	METVQLRNPPRRQLKKLDEDSLTKQP EEVFDVLEKLGE GSYGSVYKAIHKETGQIVA IKQVPVESDLQEIKEISIMQQCDSPHVVKYYGSYFKNTDLWIVMEYCGAGSVSDIIRL RNKLTLEDEIATILQSTLKGLEYL HFMRKIHRDIKAGNILLNTEGHAKLADFGVAGQLT DTMAKRNTVIGTPFWMAPEVIQEIGYNCVADIWSL GITAIEMAEGKPPYADIHPMRI FMIPTNPPPTFRKPELWSDNFTDFVKQCLVKSPEQRATATQLLQHPF VRSKGVLSIL

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RDLINEAMDVKLKRQESQQREVDQDDEENSEEDEMDSGTMVRAVGDEMGTVRVA
STMTDG ANTMIEHDDTLPSQLGTMVINAEDEEEEEGTMKRRDET MQPAKPSFLEYFE
QKEKENQINSFGKSVPGPLK NSSDWKIPQDGDYEFKSWTVEDLQKRLALDPMM
EQEIEEIRQKYQSKRQPILDAIEAKKRRQQNFTRTRPLEQKLISEEDLAANDILDYKDD
DDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase
Protein Pathways	MAPK signaling pathway, Non-small cell lung cancer, Pathways in cancer
Full Length	Full L.

GENE INFORMATION

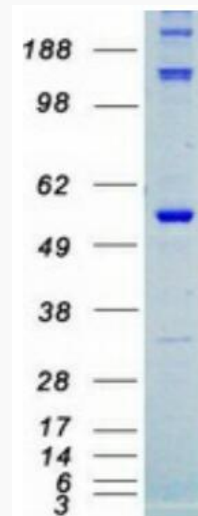
Gene Name	STK4 serine/threonine kinase 4 [Homo sapiens (human)]
Official Symbol	STK4
Synonyms	KRS2; MST1; YSK3

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Gene ID	6789
mRNA Refseq	NM_006282.5
Protein Refseq	NP_006273.1
MIM	604965
UniProt ID	Q13043



Coomassie blue staining of purified STK4 protein.