

Product datasheet for **TP310831L**

MST1 (STK4) (NM_006282) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human serine/threonine kinase 4 (STK4), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC210831 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

METVQLRNPPRRQLKKLDEDSLTKQPEEVFDVLEKLGEGSVYKAIHKETGQIVAIAIKQVPVESDLQEI
IKEISIMQQCDSPHWKYYGSYFKNTDLWIVMEYCGAGSVSDIIRLNKLTLEDEIATILQSTLKGLEYL
HFMRKIHRDIKAGNILLNTEGHAKLADFGVAGQLTDTMAKRNTVIGTPFWMAPEVIQEI GYNCVADIWSL
GITAIEMAEGKPPYADIHPMRAIFMIPTNPPPTFRKPELWSDNFTDFVKQCLVKSPEQRATATQLLQHPF
VRSKAGVSILRDLINAEAMDVKLKRQESQQREVDQDDEENSEEDEMDSGTMVRAVGDGEMGTVRVASTMTDG
ANTMIEHDDTLPSQLGTMVINAEDDEEEEGTMKRRDET MQPAKPSFLEYFEQKEKENQINSFGKSVPGPLK
NSSDWKIPQDGDYEF LKSWTVEDLQKRLALDPMMEQEIEEIRQKYQSKRQPILDAIEAKRRRQQNF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	55.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_006273



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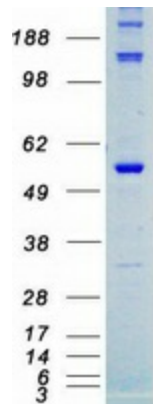
Locus ID: 6789
UniProt ID: [Q13043](#)
RefSeq Size: 6344
Cytogenetics: 20q13.12
RefSeq ORF: 1461
Synonyms: KRS2; MST1; YSK3

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: MAPK signaling pathway, Non-small cell lung cancer, Pathways in cancer

Product images:



Coomassie blue staining of purified STK4 protein (Cat# [TP310831]). The protein was produced from HEK293T cells transfected with STK4 cDNA clone (Cat# [RC210831]) using MegaTran 2.0 (Cat# [TT210002]).