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Product datasheet for PH310831

MST1 (STK4) (NM_006282) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	STK4 MS Standard C13 and N15-labeled recombinant protein (NP_006273)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210831
Predicted MW:	55.6 kDa
Protein Sequence:	>RC210831 protein sequence Red=Cloning site Green=Tags(s) METVQLRNPPRRQLKKLDEDSLTKQPEEVFDVLEKLGEGSYGSVYKAIHKETGQIVAIKQVPVESDLQEI IKEISIMQQCDSPHVVKYYGSYFKNTDLWIVMEYCGAGSVSDIIRLRNKTLTEDEIATILQSTLKGLEYL HFMRKIHRDIKAGNILLNTEGHAKLADFGVAGQLTDTMAKRNTVIGTPFWMAPEVIQEIGYNCVADIWSL GITAIEMAEGKPPYADIHPMRAIFMIPTNPPPTFRKPELWSDNFTDFVKQCLVKSPEQRATATQLLQHPF VRSAKGVSILRDLINEAMDVKLKRQESQQREVDQDDEENSEEDEMDSGTMVRAVGDEMGTVRVASTMTDG ANTMIEHDDTLPSQLGTMVINAEDEEEEGTMKRRDETMQPAKPSFLEYFEQKEKENQINSFGKSVPGPLK NSSDWKIPQDGDYEFLKSWTVEDLQKRLLALDPMMEQEIEEIRQKYQSKRQPILDAIEAKKRRQQNF TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006273
RefSeq Size:	6344
RefSeq ORF:	1461
Synonyms:	KRS2; MST1; YSK3

View online »

Locus ID: 6789

UniProt ID: Q13043

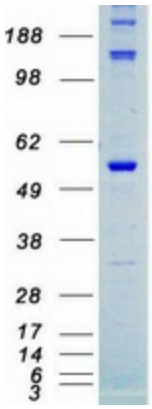
Cytogenetics: 20q13.12

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]).