Recombinant Human Serine/threonine Kinase 3 (STE20 Homolog, Yeast)

Cat. No. STK3-731H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MST2, full length, amino acids M1-F491, untagged, expressed in*Sf9*insect cells. MW = 56,884 Da.
Species	Human
Source	Sf9 Cells
ProteinLength	1-491 a.a.
Description	Serine/threonine-protein kinase 3 is an enzyme that in humans is encoded by the STK3 gene. Protein kinase activation is a frequent response of cells to treatment with growth factors, chemicals, heat shock, or apoptosis-inducing agents. This protein kinase activation presumably allows cells to resist unfavorable environmental conditions.
Purification	GST-Affinity Chromatography followed by 3C mediated removal of the GST tag.
Product Identity	MST2 was confirmed as MST2 by mass spectroscopy LC-ESI-MS/MS.
Storage Buffer	50 mM HEPES pH 7.5, 100 mM NaCl, 5 mM DTT, 20% glycerol.
Concentration	0.271 μg/μl (Bradford method using BSA [Sigma, cat# A-7638, Lot 79H7641] as standard protein).

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Specific Activity	47 pmol/μg×min.
Storage	-80°C. Avoid repeated freeze-thaw cycles!
Full Length	Full L.

GENE INFORMATION

Gene Name	STK3 serine/threonine kinase 3 (STE20 homolog, yeast) [Homo sapiens]
Synonyms	STK3; serine/threonine kinase 3 (STE20 homolog, yeast); KRS1; MST2; FLJ90748; serine/threonine kinase 3; serine/threonine kinase 3 (Ste20, yeast homolog); EC 2.7.11.1; MST-2; Mammalian STE20-like protein kinase 2; STE20-like kinase MST2; Serine/threonine-protein kinase Krs-1; Serine/threonine-protein kinase 3
Gene ID	6788
mRNA Refseq	NM_006281
Protein Refseq	NP_006272
MIM	605030
UniProt ID	Q13188
Chromosome Location	8q22.2
Pathway	MAPK signaling pathway
Function	ATP binding; magnesium ion binding; nucleotide binding; protein dimerization activity;

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	protein serine/threonine kinase activity; transferase activity

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