

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

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MST2, full length, amino acids M1-F491, untagged, expressed in Sf9 insect cells. MW = 56,884 Da.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	1-491 a.a.
<b>Description</b>	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.
<b>Purification</b>	GST-Affinity Chromatography followed by 3C mediated removal of the GST tag.
<b>Product Identity</b>	MST2 was confirmed as MST2 by mass spectroscopy LC-ESI-MS/MS.
<b>Storage Buffer</b>	50 mM HEPES pH 7.5, 100 mM NaCl, 5 mM DTT, 20% glycerol.
<b>Concentration</b>	0.271 µg/µl (Bradford method using BSA [Sigma, cat# A-7638, Lot 79H7641] as standard protein).

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<b>Specific Activity</b>	47 pmol/μg×min.
<b>Storage</b>	-80°C. Avoid repeated freeze-thaw cycles!
<b>Full Length</b>	Full L.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">STK3 serine/threonine kinase 3 (STE20 homolog, yeast) [ Homo sapiens ]</a>
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">6788</a>
<b>mRNA Refseq</b>	<a href="#">NM_006281</a>
<b>Protein Refseq</b>	<a href="#">NP_006272</a>
<b>MIM</b>	<a href="#">605030</a>
<b>UniProt ID</b>	<a href="#">Q13188</a>
<b>Chromosome Location</b>	8q22.2
<b>Pathway</b>	MAPK signaling pathway
<b>Function</b>	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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