

Recombinant Human LATS2, GST-tagged

Cat. No. LATS2-381H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human LATS2 (480-1088) was expressed by <i>baculovirus</i> in <i>Sf9</i> insect cell/s using an N-terminal GST tag. MW = 98 kDa.
Species	Human
Source	Sf9 Cells
Protein Length	480-1088 a.a.
Description	LATS2 is a serine/threonine protein kinase belonging to the LATS tumor suppressor family. The kinase activity and two conserved domains within LATS2 are responsible for the suppression of tumorigenicity and inhibition of cell growth. LATS2 negatively regulates the cell cycle by controlling G1/S and/or G2/M transition. LATS2 interacts with the centrosomal proteins AURORA A and Ajuba and is required for accumulation of γ -tubulin and spindle formation at the onset of mitosis. LATS2 also interacts with a negative regulator of p53 and may function in a positive feedback loop with p53 that responds to cytoskeleton damage. LATS2 can also function as a co-repressor of androgen-responsive gene expression.
Sequence	480-1088.
Applications	Western Blot.
Storage And Stability	Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable

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performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	LATS2 LATS, large tumor suppressor, homolog 2 (Drosophila) [Homo sapiens]
Synonyms	LATS, large tumor suppressor, homolog 2 (Drosophila); KPM; FLJ13161; LATS2; LATS, large tumor suppressor, homolog 2; warts-like kinase; serine/threonine kinase KPM; kinase phosphorylated during mitosis protein; LATS (large tumor suppressor, Drosophila) homolog 2; EC 2.7.11.1; OTTHUMP00000018106; Kinase phosphorylated during mitosis protein; Large tumor suppressor homolog 2; Serine/threonine-protein kinase kpm; Warts-like kinase
Gene ID	26524
mRNA Refseq	NM_014572
Protein Refseq	NP_055387
MIM	604861
UniProt ID	Q9NRM7
Chromosome Location	13q11-q12
Function	ATP binding; magnesium ion binding; nucleotide binding; protein serine/threonine kinase activity; transferase activity

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