

Recombinant Human LATS2

Cat. No. LATS2-28502TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 480-1088 of Human LATS2, expressed by baculovirus in Sf9 insect cells using an N-terminal tag, 98kDa.
Species	Human
ProteinLength	480-1088 a.a.
Description	This gene encodes a serine/threonine protein kinase belonging to the LATS tumor suppressor family. The protein localizes to centrosomes during interphase, and early and late metaphase. It interacts with the centrosomal proteins aurora-A and ajuba and is required for accumulation of gamma-tubulin and spindle formation at the onset of mitosis. It also interacts with a negative regulator of p53 and may function in a positive feedback loop with p53 that responds to cytoskeleton damage. Additionally, it can function as a co-repressor of androgen-responsive gene expression.
Tissue specificity	Expressed at high levels in heart and skeletal muscle and at lower levels in all other tissues examined.
Form	Liquid
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Sodium chloride, 50mM Tris HCl, 0.25mM DTT, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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**Sequence
Similarities**

Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. Contains 1 AGC-kinase C-terminal domain. Contains 1 protein kinase domain. Contains 1 UBA domain.

GENE INFORMATION

Gene Name	LATS2 LATS, large tumor suppressor, homolog 2 (Drosophila) [Homo sapiens]
Official Symbol	LATS2
Synonyms	LATS2; LATS, large tumor suppressor, homolog 2 (Drosophila); LATS (large tumor suppressor, Drosophila) homolog 2; serine/threonine-protein kinase LATS2;
Gene ID	26524
mRNA Refseq	NM_014572
Protein Refseq	NP_055387
MIM	604861
Uniprot ID	Q9NRM7
Chromosome Location	13q11-q12
Pathway	Coregulation of Androgen receptor activity, organism-specific biosystem;
Function	ATP binding; metal ion binding; nucleotide binding; protein binding; protein serine/threonine kinase activity;

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