

LATS2 recombinant protein

LATS2, Unactive recombinant protein

CATALOG # AAA72892	HOST Sf9 insect cells	APPLICATIONS Western Blot
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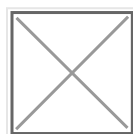
PRODUCT SYNONYMS

LATS2; Unactive recombinant protein; KPM; FLJ13161; LATS2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Purity/Purification	>80%
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Concentration	0.2ug/ul (varies by lot)
Sequence Positions	480-1088
Sequence Length	5558
Applicable Applications for LATS2 recombinant protein	WB (Western Blot), Kinase Assay
Type	Recombinant Fusion Protein
Species	Human
Tag Information	GST tag
Expression System	Sf9 insect cells using baculovirus
Source Note	Recombinant human LATS2 (480-1088) was expressed by baculovirus in Sf9 insect cells
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Stability: 1yr At -70oC from date of shipment Storage & Shipping: Store product at -70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. Shipping: ships on dry ice.

IMAGES



SDS-PAGE

The purity was determined to be >80% by densitometry.Approx. MW 95kDa

ADDITIONAL INFORMATION

Related Product Information for LATS2 recombinant protein	Recombinant human LATS2 (480-1088) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: LATS2 is a serine/threonine protein kinase belonging to the LATS tumor suppressor family (1). 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 (2). 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.
Product Categories/Family for LATS2 recombinant protein	Unactive Kinase; Signaling Proteins - Unactive Kinases
References	1. Li, Y. et al: Lats2, a putative tumor suppressor, inhibits G1/S transition. Oncogene. 2003; 22(28):4398-405. 2. Yabuta, N. et al: Structure, expression, and chromosome mapping of LATS2, a mammalian homologue of the Drosophila tumor suppressor gene lats/warts. Genomics. 2000 63(2):263-70.

NCBI AND UNIPROT INFORMATION

NCBI GI #	126507090
NCBI GeneID	26524
NCBI Accession #	NM_014572
NCBI GenBank Nucleotide #	NM_014572
UniProt Accession #	Q9NRM7 ; Q9P2X1 ; B1AM47
Molecular Weight	~98 kDa
NCBI Official Full Name	Homo sapiens large tumor suppressor kinase 2 (LATS2), mRNA
NCBI Official Synonym Full Names	large tumor suppressor kinase 2
NCBI Official Symbol	LATS2
NCBI Official Synonym Symbols	KPM
NCBI Protein Information	serine/threonine-protein kinase LATS2; warts-like kinase; serine/threonine kinase KPM; large tumor suppressor homolog 2; serine/threonine-protein kinase kpm; LATS, large tumor suppressor, homolog 2; kinase phosphorylated during mitosis protein; LATS (large tumor suppressor, Drosophila) homolog 2
UniProt Protein Name	Serine/threonine-protein kinase LATS2
UniProt Gene Name	LATS2
UniProt Synonym Gene Names	KPM
UniProt Entry Name	LATS2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.