

LATS1 recombinant protein

LATS1, Active

CATALOG # AAA73001	HOST Sf9 insect cells using baculovirus	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

LATS1; Active; LATS1 recombinant protein

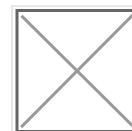
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	589-end
Sequence Length	7533
Applicable Applications for LATS1 recombinant protein	WB (Western Blot), Kinase Assay
Species	Human
Tag	GST tag
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	Store product at -70 degree C. 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.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for LATS1 recombinant protein	Description: Recombinant human LATS1 (589-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: LATS1 is a putative serine/threonine kinase that localizes to the mitotic apparatus and complexes with cell cycle controller CDC2 kinase in early mitosis which is phosphorylated in a cell-cycle dependent manner. The N-terminal region of the protein binds CDC2 to form a complex showing reduced H1 histone kinase activity which indicating a role as a negative regulator of CDC2/cyclin A and the C-terminal kinase domain binds to its own N-terminal region, suggesting potential negative regulation through interference with complex formation via intramolecular binding (1). LATS1 act as a tumor suppressor and play an important role in the development of soft-tissue sarcomas, ovarian stromal cell tumors and a high sensitivity to carcinogenic treatments (2).
Product Categories/Family for LATS1 recombinant protein	Enzymes; Active Kinases

References	1. Tao, W.et.al: Human homologue of the Drosophila melanogaster lats tumour suppressor modulates CDC2 activity. Nature Genet. 21: 177-181, 1999. 2. St. John. et.al: Mice deficient of Lats1 develop soft-tissue sarcomas, ovarian tumours and pituitary dysfunction. Nature Genet. 21: 182-186, 1999.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	395394047
NCBI GeneID	9113
NCBI Accession #	NM_004690.3
NCBI GenBank Nucleotide #	NM_004690
UniProt Accession #	O95835; Q6PKD0
Molecular Weight	~95 kDa
NCBI Official Full Name	Homo sapiens large tumor suppressor kinase 1 (LATS1), transcript variant 1, mRNA
NCBI Official Synonym Full Names	large tumor suppressor kinase 1
NCBI Official Symbol	LATS1
NCBI Official Synonym Symbols	wt5; WARTS
NCBI Protein Information	serine/threonine-protein kinase LATS1
UniProt Protein Name	Serine/threonine-protein kinase LATS1
UniProt Gene Name	LATS1
UniProt Synonym Gene Names	h-warts

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.

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Online datasheet: <https://stage.aaabiotech.com/lats1-recombinant-protein-sf9-insect-cells-using-baculovirus-wb-western-blot-kinase-assay/73001>