

Recombinant Human LATS1 (N-GST tag)

Cat No:HR2R1661

For research use only

Overview

Quantity	10 ?g
Gene Symbol	LATS1
Gene ID	N/A
Accession	NM_004690
Alternative Name	WARTS; wts
Species	Human
Source	Insect cells
Description	?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 . 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 .
Functions	The specific activity of LATS1 was determined to be 1.4 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	95
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?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.