

Recombinant Human LATS1

Catalog No: #GP11154



Package Size: #GP11154-1 100ug

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Description

Product Name	Recombinant Human LATS1
Brief Description	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	large tumor suppressor kinase 1
Other Names	wts; WARTS
Accession No.	Swissprot:O95835Gene Accession:BC015665
Uniprot	O95835
GeneID	9113;
Storage	-20~-80°C, pH 7.6 PBS

Background

The protein encoded by this gene is a putative serine/threonine kinase that localizes to the mitotic apparatus and complexes with cell cycle controller CDC2 kinase in early mitosis. The protein is phosphorylated in a cell-cycle dependent manner, with late prophase phosphorylation remaining through metaphase. The N-terminal region of the protein binds CDC2 to form a complex showing reduced H1 histone kinase activity, indicating a role as a negative regulator of CDC2/cyclin A. In addition, the C-terminal kinase domain binds to its own N-terminal region, suggesting potential negative regulation through interference with complex formation via intramolecular binding. Biochemical and genetic data suggest a role as a tumor suppressor. This is supported by studies in knockout mice showing development of soft-tissue sarcomas, ovarian stromal cell tumors and a high sensitivity to carcinogenic treatments.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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