

## Product datasheet for **SC210118**

### **LATS1 (NM\_004690) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	LATS1 (NM_004690) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	LATS1
Synonyms:	WARTS; wts
ACCN:	NM_004690
Insert Size:	2000 bp



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**Insert Sequence:**

>SC210118 3'UTR clone of NM\_004690

The sequence shown below is from the reference sequence of NM\_004690. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
ATTAAAAATCGCGATCTAGTATATGTTAACACACTAGTAAATAAATGTAATGAGGATTTGTAAAAGGG
CCTGAAATGCGAGGTGTTTTGAGTTCTGAGAGTAAAATTATGCAAATATGACAGAGCTATATATGTGT
GCTCTGTGTACAATATTTTATTTTCTAAATTATGGGAAATCCTTTTAAAATGTTAATTTATTCCAGCC
GTTTAAATCAGTATTTAGAAAAAATTGTTATAAGGAAAGTAAATTATGAACTGAATATTATAGTCAGT
TCTTGGTACTTAAAGTACTTAAAATAAGTAGTGTCTTTGTTTAAAAGGAGAAAACCTGGTATCTATTTGTA
TATATGCTAAATAATTTTAAAATACAAGAGTTTTTGAATTTTTTGAAGACAGTTTTAGTTTTATCT
TGCTTTAACCAAAATGAAACATACCCCTATTTACAGAGCTCTTTTTCCCTCATAACCTTGTTTT
TGGTAGAAAAAAGCTAGAGAAATTAAGCCATCGTGTGGTGAGTGTTCCTAGGCTAATGATAATCTGT
ATAATTCACATCCTGAAACTAAGGAATACAGGGTTGAAAAAATTAATATGTTTGTGAGAAAGAAAA
TAATGCATTTATCTTCCCCCCCCCCCCCGCCCATGGAATATTTAATCTATTTAATCTTCTTGCATTT
ATTTCTCAAGAATTACTGGCTTTAAAAGAAGCCAAAGCACTACTAGCTTTTTTCCATATTGGTATTTT
TGATGCTGCTTCCAATTTAAAAGGGAACAAAGCTGCCATAAATCGAAATGTTCAATACTAAAAGCTAA
AATATTTCTCACCATCCTAAGCAGATAATTATTTAATTTTCAATACTTTTCTGTATAGTAACTATT
TTGATTATATCATCAATGTTACCTGTTTCTCTTTCAGAACAGTGTGCATATACAGATTGTTATTGGC
AAAGGAAAATCTGGCTATCTGGCAATATTTACCTAAGCGCAGATTAATTGGTGAAAAAATTAACCTTT
AAGATGGCCATTAATAATTAGGAAAGTTACAGAGTGGTCTTAGTAGAAAAATCAAGTCCCTAATTT
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TTTCATACCAAAATACATGTAGCTTATCTTTTAGGAAGGGGAAAAAGGCTCCATTTTACCATAGTAAA
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ATTTGTAGATTGGAGGCATAATTTTAGTGATTTTCATACTTTTAGCTTTCTTCGCATAAAAGCTAATTG
AAACCGTATATGTAGTAAAATTAAGGCAGAGCTGTTGCAGTTGAATTGGAGAGTTAGGGCAAAGAACA
CTTATTAGCCCACTTCCACCTTTCTACAGGTGGTCTTTTACAGAGCTCAGCCTGAAAACCCACTACT
GTGTTATCGTGCGTCTTTTGGGGTTAGTGGTCTTTTGAAGTCTGAAGGAAGCTGTGGACTCTTCTA
GAAAAAAAACCACACATACACATACAATGTTGCATGCAGTTTCAAGGGATTTTGGACATATTGAAACC
TATCACAGGCTGTAGGTTATGGACCTCTGTGCCATGAGAAAATTGATACATTAACCTAAGAACTTTGTT
TTTAACTTACCAATCACTACTCAGCACATCTTATATAAGCTGATAATTTGTGATGAAAAAGGTCTGTAG
CATGTGATATAAGGTGACCTTATGAATGCCTCTTGTGCTGGTACATTAAGTTGTTTTAATATATCATTT
GGAGGGGACTGAAATGTTAGGCTCATTACAAGCTTGATACAGAAAATTTCTGAAGGATTTCTAATCAG
AATTGTAACAATGTGCTATCATGAAATCGCAGTCTTCACTCATGGTTCATGGAACATTTGGTTAG
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
    
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**Restriction Sites:**

SgfI-MluI

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:**

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:**

[NM\\_004690.4](#)

**Summary:**

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. [provided by RefSeq, Apr 2017]

**Locus ID:**

9113

**MW:**

77.4