

## **Product datasheet for LY300194**

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## **HAT1 Human Knockdown Lysate**

**Product data:** 

**Product Type:** Knockdown Lysates

**Description:** WB-validated HAT1 Knockdown HeLa Cell Lysate

Species: Human Expression Host: HeLa

Tag: Tag Free

Synonyms: HAT1; Histone Acetyltransferase 1; KAT1; Histone Acetyltransferase Type B Catalytic Subunit;

EC 2.3.1.48

Predicted MW: 50 kDa

**Components:** 1 vial of 100 ug WT HeLa cell lysate

1 vial of 100 ug HAT1 KD HeLa cell lysate

Storage: Store at -20 °C for two years.

Concentration: Lot-specific

**Buffer:** IntactProtein Cell-Tissue Lysis buffer

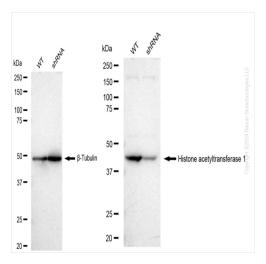
**Locus ID:** 8520

**UniProt ID:** <u>014929</u>

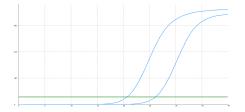
**Protein Families:** Druggable Genome



## **Product images:**



Western blotting analysis. HAT1 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting.  $\beta$ -Tubulin served as a loading control. The blots were incubated with primary antibodies (Cat#61169, 1:5,000) against HAT1 and  $\beta$ -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000). Images were developed using FeQ<sup>TM</sup> ECL Substrate Kit (Cat#226).



Genotype	Ct Value
Wild-Type	20.53
Knock-Down	25.91
$\Delta Ct (Ct_{KD}-Ct_{WT})$	5.38
% mRNA Reduction	<b>↓</b> 98%

RT-qPCR analysis. HeLa cells were infected with HAT1-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers.  $\Delta$ Ct (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2 $\Delta$ Ct) x 100%.