

Human HAT1 Knockdown Cell Lysate

Cat. No. HAT1-194HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated HAT1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	The protein encoded by this gene is a type B histone acetyltransferase (HAT) that is involved in the rapid acetylation of newly synthesized cytoplasmic histones, which are in turn imported into the nucleus for de novo deposition onto nascent DNA chains. Histone acetylation, particularly of histone H4, plays an important role in replication-dependent chromatin assembly. Specifically, this HAT can acetylate soluble but not nucleosomal histone H4 at lysines 5 and 12, and to a lesser degree, histone H2A at lysine 5. Alternatively spliced transcript variants have been identified for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	50 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg HAT1 KD HeLa cell lysate
Protein Families	Druggable Genome
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	HAT1 histone acetyltransferase 1 [Homo sapiens (human)]
Official Symbol	HAT1
Synonyms	HAT1; histone acetyltransferase 1; histone acetyltransferase type B catalytic subunit; KAT1;
Gene ID	8520
mRNA Refseq	NM_003642
Protein Refseq	NP_003633
MIM	603053
UniProt ID	O14929

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