



# Recombinant Human Histone acetyltransferase type B catalytic subunit (HAT1)

<b>Product Code</b>	CSB-BP010143HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O14929
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	AGFGAMEKF LVEYKSAVEK KLAEYKCNTN TAIELKLVRF PEDLENDIRT FFPEYTHQLF GDETAFGYK GLKILLYIA GSLSTMFRVE YASKVDENFD CVEADDVEGK IRQIIPPGFC TNTNDFLSLL EKEVDFKPGF TLLHTYSVLS PTGGENFTFQ IYKADMTCRG FREYHERLQT FLMWFIETAS FIDVDDERWH YFLVFEKYNK DGATLFATVG YMTVYNYVY PDKTRPRVSQ MLILTPFQQQ GHGAQLLETV HRYYTEFPTV LDITAEDPSK SYVKLRDFVL VKLCQDLPCF SREKLMQGFN EDMAIEAQQK FKINKQHARR VYEILRLLVT DMSDAEQYRS YRLDIKRRLI SPYKKKQRDL AKMRKCLRPE ELTNQMNQIE ISMQHEQLEE SFQELVEDYR RVIERLAQE
<b>Source</b>	Baculovirus
<b>Target Names</b>	HAT1
<b>Protein Names</b>	Recommended name: Histone acetyltransferase type B catalytic subunit EC=2.3.1.48 Alternative name(s): Histone acetyltransferase 1
<b>Expression Region</b>	2-419
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This protein 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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ . The shelf life of lyophilized form is 12 months at  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ .