

Recombinant Full Length Human HAT1 Protein, GST-tagged

Cat. No. HAT1-3485HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human HAT1 full-length ORF (AAH63003, 1 a.a. - 334 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	334 amino acids
Description	<p>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. [provided by RefSeq]</p>
Molecular Mass	62.48 kDa
AA Sequence	<p>MFRVEYASKVDENFDCVEADDVEGKIRQIIPPGFCTNTNDFLSLLEKEVDFKPPFGTLL HTYSVLSPTGGENFTFQIYKADMTCRGFREYHERLQTFLMWFIETASFIDVDDERWH YFLVFEKYNKDGATLFATVGYMTVYNYVYPDKTRPRVSQMLILTPFQQGQGHGAQL LETVHRYYTEFPTVLDITAEDPSKSYVKLRDFVLVKLCQDLPCFSREKLMQGFNEDM AIEAQQKFKINKQHARRVYEILRLLVTDMSDAEQYRSYRLDIKRRLISPYKKKQRDLA</p>

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KMRKCLRPEELTNQMNQIEISMQHEQLEESFQELVEDYRRVIERLAQE

Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [HAT1 histone acetyltransferase 1 \[Homo sapiens \]](#)

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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