

Recombinant Human HAT1 Protein, GST-tagged

Cat. No. HAT1-4586H **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	Wheat Germ
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. [provided by RefSeq]
Molecular Mass	62.48 kDa
AA Sequence	MFRVEYASKVDENFDCVEADDVEGKIRQIIPPGFCTNTNDFLSLLEKEVDFKPGTLL HTYSVLSPTGGENFTFQIYKADMTTCRGFREYHERLQTFLMWFIETASFIDVDDERWH YFLVFEKYNKDGATLFATVGYMTVYNYVYPDKTRPRVSQMLILTPFQGQGHGAQL LETVHRYYTEFPTVLDITAEDPSKSYVKLRDFVLVKLCQDLPCFSREKLMQGFNEDM AIEAQKQFKINKQHARRVYEILRLLVTDMSDAEQYRSYRLDIKRRLLISPYKKKQRDLA KMRKCLRPEELTNQMNQIEISMQHEQLEESFQELVEDYRRVIERLAQE

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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

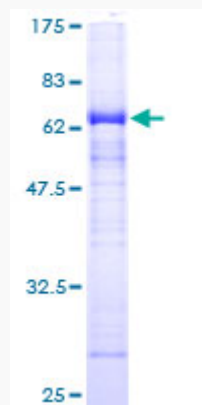
Gene Name	HAT1 histone acetyltransferase 1 [Homo sapiens]
Official Symbol	HAT1
Synonyms	HAT1; histone acetyltransferase 1; histone acetyltransferase type B catalytic subunit; KAT1;
Gene ID	8520
mRNA Refseq	NM_003642
Protein Refseq	NP_003633
MIM	603053
UniProt ID	O14929

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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