

KAT7 recombinant protein

KAT7 (MYST2), Active

CATALOG #
AAA73000

HOST
Sf9 insect cells using baculovirus

PRODUCT SYNONYMS

KAT7; KAT7 (MYST2); Active; KAT7 recombinant protein

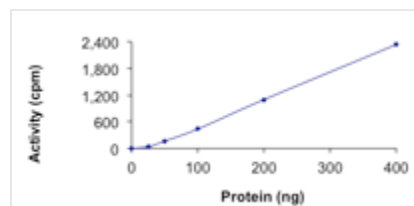
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	Full Length
Sequence Length	3664
Species	Human
Tag	GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for KAT7 recombinant protein

Description: Full-length recombinant human KAT7 (MYST2) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.

Scientific Background: KAT7 or K (lysine) acetyltransferase 5 is a signaling protein that belongs to the MYST family of histone acetyl transferases (HATs) and was originally isolated as an HIV-1 TAT-interactive protein which play important roles in regulating chromatin remodeling, transcription and other nuclear processes by acetylating histone and nonhistone proteins. KAT7 acts as a transcriptional inhibitor and inhibited AR-mediated transactivation of reporter constructs in CV-1 and PC-3 cells (1). KAT7 is part of a multisubunit complex that can acetylate histones H3 and H4 (2).

Product Categories/Family for KAT7 recombinant protein

Enzymes; Active Acetyltransferases

References	1. Sharma, M. et.al: Androgen receptor interacts with a novel MYST protein, HBO1. J. Biol. Chem. 275: 35200-35208, 2000. 2. Iizuka, M. et.al: Histone acetyltransferase HBO1 interacts with the ORC1 subunit of the human initiator protein. J. Biol. Chem. 274: 23027-23034, 1999.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	312596868
NCBI GeneID	11143
NCBI Accession #	NM_007067.4
NCBI GenBank Nucleotide #	NM_007067
UniProt Accession #	O95251; B3KN74; B4DF85; B4DFB4; B4DFE0; B4DGY4; E7ER15; G5E9K7
Molecular Weight	~110 kDa
NCBI Official Full Name	Homo sapiens lysine acetyltransferase 7 (KAT7), transcript variant 1, mRNA
NCBI Official Synonym Full Names	lysine acetyltransferase 7
NCBI Official Symbol	KAT7
NCBI Official Synonym Symbols	HBO1; HBOA; MYST2; ZC2HC7
NCBI Protein Information	histone acetyltransferase KAT7
UniProt Protein Name	Histone acetyltransferase KAT7
UniProt Gene Name	KAT7
UniProt Synonym Gene Names	HBO1; HBOa; MYST2; MYST-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/kat7-recombinant-protein-sf9/73000>