

## KAT7 recombinant protein

KAT7 (MYST2), Active

CATALOG #  
**AAA73000**

HOST  
**Sf9 insect cells using baculovirus**

### PRODUCT SYNONYMS

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

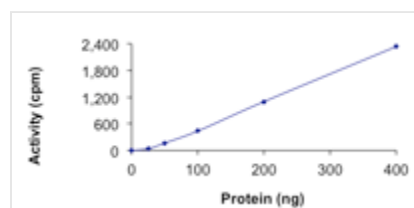
### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.<br>For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature.<br>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. |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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.