

KAT7 recombinant protein

Recombinant KAT7 protein

CATALOG # AAA59716	HOST Baculovirus
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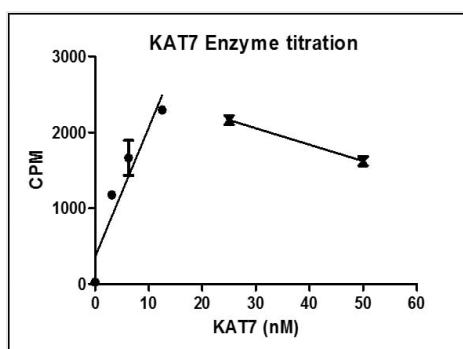
PRODUCT SYNONYMS

KAT7; Recombinant KAT7 protein; Lysine Acetyltransferase 7; HBO1; HBOA; MYST2; Histone Acetyltransferase Binding To ORC1; KAT7 recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	The recombinant protein is >85% pure by SDS-PAGE.
Form/Format	Full length recombinant KAT7 protein is supplied in 25mM HEPES-NaOH pH7.5, 300mM NaCl, 10% glycerol, 0.04% Triton X-100, 0.5mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Notes	Recombinant KAT7 protein is suitable for use in enzyme kinetics, inhibitor screening, and selectivity profiling.
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	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



WB (Western Blot)

Recombinant KAT7 protein activity assay 0.5 ug Histone H4 was incubated with 0 ug (-), 0.4 ug (+) KAT7 in 20 ul reaction system for 2 hours at room temperature. Half of each reaction was run on a 13% SDS-PAGE gel, and products were detected by Western blot. H4ac (pan-acetyl) antibody was used to recognize acetylated histone H4.



SDS-PAGE

Recombinant KAT7 protein gel. Recombinant KAT7 was run on a 10% SDS-PAGE gel and stained with Coomassie blue. Mw: 67 kDa Purity: >85%

ADDITIONAL INFORMATION

Related Product Information for KAT7 recombinant protein	Short Description: Full-length recombinant KAT7 protein (accession number NP_001186084.1) was expressed in Sf9 cells and contains an N-terminal DYKDDDDK-Tag with a molecular weight of 67.2 kDa. The recombinant protein is >85% pure by SDS-PAGE. It is suitable for use in the study of enzyme kinetics, inhibitor screening, and selectivity profiling. Background: KAT7 (K(Lysine) Acetyltransferase 7) is a MYST-family histone acetyltransferase (HAT) that forms a complex with ING4/5, JADE1/2/3, and Eaf6, which is found enriched on coding regions of genes, supporting a role in transcriptional elongation. In addition, KAT7 is thought to participate in events controlling the initiation of DNA replication.
Product Categories/Family for KAT7 recombinant protein	Recombinant Proteins; Histone Acetyltransferase (HAT)

NCBI AND UNIPROT INFORMATION

NCBI GI #	312434011
NCBI GeneID	11143
NCBI Accession #	NP_001186084.1
NCBI GenBank Nucleotide #	NM_001199155.1
UniProt Accession #	O95251; B3KN74; B4DF85; B4DFB4; B4DFE0; B4DGY4; E7ER15; G5E9K7
Molecular Weight	70,642 Da
NCBI Official Full Name	histone acetyltransferase KAT7 isoform 2
NCBI Official Synonym Full Names	K(lysine) acetyltransferase 7
NCBI Official Symbol	KAT7
NCBI Official Synonym Symbols	HBO1; HBOA; MYST2; ZC2HC7
NCBI Protein Information	histone acetyltransferase KAT7; MYST-2; lysine acetyltransferase 7; histone acetyltransferase MYST2; MYST histone acetyltransferase 2; MOZ, YBF2/SAS3, SAS2 and TIP60 protein 2; histone acetyltransferase binding to ORC1
UniProt Protein Name	Histone acetyltransferase KAT7
UniProt Gene Name	KAT7
UniProt Synonym Gene Names	HBO1; HBOa; MYST2; MYST-2
UniProt Entry Name	KAT7_HUMAN

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.