

KAT8/MYST1 recombinant protein

Recombinant KAT8/MYST1 protein

CATALOG # AAA60182	HOST Baculovirus
------------------------------	----------------------------

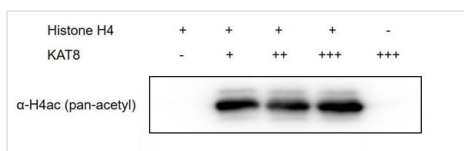
PRODUCT SYNONYMS

KAT8/MYST1; Recombinant KAT8/MYST1 protein; MOF; Lysine Acetyltransferase 8; KAT8/MYST1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Form/Format	Recombinant KAT8/MYST1 protein is supplied in 25mM HEPES-NaOH pH7.5, 300mM NaCl, 10% glycerol, 0.04% Triton X-100, and 0.5mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Notes	This product was manufactured as described in Protein Details. Where possible, We has developed functional or activity assays for recombinant proteins. Additional characterization such as enzyme kinetic activity assays, inhibitor screening or other biological activity assays may not have been performed for every product. All available data this product is shown.
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



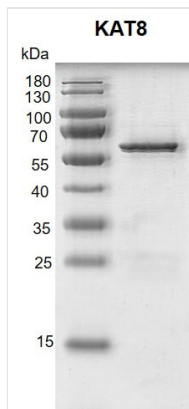
WB (Western Blot)

Recombinant KAT8 / MYST1 protein activity assay 0.5 ug Recombinant Histone H4 was incubated with 0 ug (-), 0.1 ug (+), 0.2 ug (++), and 0.4 ug (+++) KAT8 / MYST1 protein in a 20 ul reaction system containing 50 mM Tris-HCl pH 8.6, 2 mM MgCl₂, 1 mM TCEP, 0.02% Triton X-100 and 20 uM Acetyl-CoA for 2 hr at RT. Reaction products were detected by Western blot using H4ac (pan-acetyl) antibody .



WB (Western Blot)

Recombinant KAT8 / MYST1 protein activity assay 2 ug Recombinant Mononucleosomes H3.1 was incubated with 0 ug (-), 0.1 ug (+), 0.2 ug (++), and 0.4 ug (+++) KAT8 / MYST1 protein in a 20 ul reaction system containing 50 mM Tris-HCl pH 8.6, 2 mM MgCl₂, 1 mM TCEP, 0.02% Triton X-100 and 20 uM Acetyl-CoA for 2 hr at RT. Reaction products were detected by Western blot using H4ac (pan-acetyl) antibody .



SDS-PAGE

Recombinant KAT8 / MYST1 protein gel 10% SDS-PAGE gel with Coomassie blue staining
MW: 53.7 kDa Purity: >90%

ADDITIONAL INFORMATION

Related Product Information for KAT8/MYST1 recombinant protein	Short Description: KAT8 (Lysine Acetyltransferase 8), also called as MYST1 or HMOF, is a histone acetyltransferase which may be involved in transcriptional activation. It may influence the function of ATM. As part of the MSL complex it is involved in acetylation of nucleosomal histone H4 producing specifically H4K16ac. As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues. That activity is less specific than the one of the MSL complex. KAT8 can also acetylate TP53/p53 at 'Lys-120'. Diseases associated with KAT8 include Atrial Septal Defect 4. Among its related pathways are Chromatin Regulation/Acetylation and Chromatin organization. Background: KAT8 (Lysine Acetyltransferase 8), also called as MYST1 or HMOF, is a histone acetyltransferase which may be involved in transcriptional activation. It may influence the function of ATM. As part of the MSL complex it is involved in acetylation of nucleosomal histone H4 producing specifically H4K16ac. As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues. That activity is less specific than the one of the MSL complex. KAT8 can also acetylate TP53/p53 at 'Lys-120'. Diseases associated with KAT8 include Atrial Septal Defect 4. Among its related pathways are Chromatin Regulation/Acetylation and Chromatin organization.
Product Categories/Family for KAT8/MYST1 recombinant protein	Recombinant Proteins; Histone Acetyltransferase (HAT) ; Transcription

NCBI AND UNIPROT INFORMATION

NCBI GI #	226371635
NCBI GeneID	84148
NCBI Accession #	NP_115564.2
NCBI GenBank Nucleotide #	NM_032188
Molecular Weight	53,085 Da
NCBI Official Full Name	Homo sapiens K(lysine) acetyltransferase 8 (KAT8), transcript variant 1, mRNA
NCBI Official Synonym Full Names	K(lysine) acetyltransferase 8
NCBI Official Symbol	KAT8
NCBI Official Synonym Symbols	MOF; hMOF; MYST1; ZC2HC8
NCBI Protein Information	histone acetyltransferase KAT8; MOZ, YBF2/SAS3, SAS2 and TIP60 protein 1; MYST histone acetyltransferase 1; MYST-1; histone acetyltransferase MYST1; lysine acetyltransferase 8; ortholog of Drosophila males absent on the first (MOF); probable histone acety

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/kat8/myst1-recombinant-protein-baculovirus/60182>