

KAT6A/MOZ recombinant protein

Recombinant KAT6A/MOZ (488-778) protein

CATALOG # AAA60180	HOST Baculovirus
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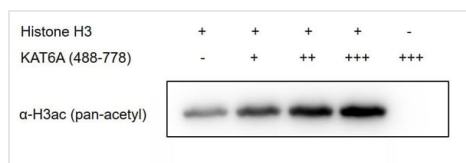
PRODUCT SYNONYMS

KAT6A/MOZ; Recombinant KAT6A/MOZ (488-778) protein; KAT6A; MYST3; KAT6A/MOZ recombinant protein

PRODUCT SPECIFICATIONS

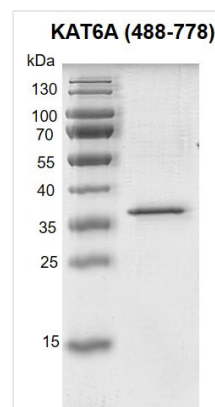
Host	Baculovirus
Form/Format	Recombinant KAT6A/MOZ (488-778) protein is supplied in 25mM HEPES-NaOH pH7.5, 300mM NaCl, 10% glycerol, 0.04% Triton X-100, and 0.5mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Notes	This product was manufactured as described in Protein Details. Where possible, We has developed 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 for a given product is shown on the lot-specific Technical Data Sheet.
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 KAT6A / MOZ (488-778) protein activity assay 0.5 ug Histone H3.1 was incubated with 0 ug (-), 0.1 ug (+), 0.2 ug (++) , 0.4 ug (+++) KAT6A / MOZ (488-778) 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 H3 pan-acetyl antibody .



SDS-PAGE

Recombinant KAT6A / MOZ (488-778) protein gel 10% SDS-PAGE gel with Coomassie staining MW: 35.5 kDa Purity: > 95%

ADDITIONAL INFORMATION

Related Product Information for KAT6A/MOZ recombinant protein	Short Description: KAT6A (Lysine Acetyltransferase 6A), also called as MOZ, MYST3 or ZNF220, is a histone acetyltransferase that acetylates lysine residues in histone H3 and histone H4 (in vitro). It is a component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity. KAT6A may act as a transcriptional coactivator for RUNX1 and RUNX2. It also acetylates p53/TP53 at 'Lys-120' and 'Lys-382' and controls its transcriptional activity via association with PML. This protein is composed of a nuclear localization domain, a double C2H2 zinc finger domain that binds to acetylated histone tails, a histone acetyl-transferase domain, a glutamate/aspartate-rich region, and a serine- and methionine-rich transactivation domain. Background: KAT6A (Lysine Acetyltransferase 6A), also called as MOZ, MYST3 or ZNF220, is a histone acetyltransferase that acetylates lysine residues in histone H3 and histone H4 (in vitro). It is a component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity. KAT6A may act as a transcriptional coactivator for RUNX1 and RUNX2. It also acetylates p53/TP53 at 'Lys-120' and 'Lys-382' and controls its transcriptional activity via association with PML. This protein is composed of a nuclear localization domain, a double C2H2 zinc finger domain that binds to acetylated histone tails, a histone acetyl-transferase domain, a glutamate/aspartate-rich region, and a serine- and methionine-rich transactivation domain.
Product Categories/Family for KAT6A/MOZ recombinant protein	Recombinant Proteins; Histone Acetyltransferase (HAT); Transcription

NCBI AND UNIPROT INFORMATION

NCBI GI #	150378493
NCBI GeneID	7994
NCBI Accession #	NP_006757.2
NCBI GenBank Nucleotide #	NM_006766.3
UniProt Accession #	Q92794; Q76L81
Molecular Weight	225,028 Da
NCBI Official Full Name	histone acetyltransferase KAT6A
NCBI Official Synonym Full Names	K(lysine) acetyltransferase 6A
NCBI Official Symbol	KAT6A
NCBI Official Synonym Symbols	MOZ; MYST3; ZNF220; RUNXBP2; ZC2HC6A
NCBI Protein Information	histone acetyltransferase KAT6A; MYST-3; zinc finger protein 220; histone acetyltransferase MYST3; Monocytic leukemia zinc finger protein; MOZ, YBF2/SAS3, SAS2 and TIP60 protein 3; runt-related transcription factor binding protein 2; runt-related transcri
UniProt Protein Name	Histone acetyltransferase KAT6A
UniProt Gene Name	KAT6A
UniProt Synonym Gene Names	MOZ; MYST3; RUNXBP2; ZNF220; MYST-3
UniProt Entry Name	KAT6A_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.