

KAT6B/MORF recombinant protein

Recombinant KAT6B/MORF (718-1008) protein

CATALOG # AAA60181	HOST Baculovirus
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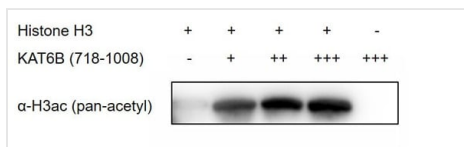
PRODUCT SYNONYMS

KAT6B/MORF; Recombinant KAT6B/MORF (718-1008) protein; MYST4; Lysine Acetyltransferase 6B; KAT6B/MORF recombinant protein

PRODUCT SPECIFICATIONS

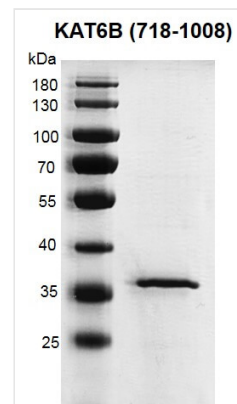
Host	Baculovirus
Form/Format	Recombinant KAT6B/MORF (718-1008) protein is supplied in 25mM HEPES-NaOH pH7.5, 300mM NaCl, 10% glycerol, 0.04% Triton X-100, 0.5mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Notes	Recombinant KAT6B/MORF (718-1008) protein is suitable for use in enzyme kinetics, inhibitor 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 KAT6B / MORF (718-1008) protein activity assay 0.5 ug Histone H3.1 was incubated with 0 ug (-), 0.1 ug (+), 0.2 ug (++) , 0.4 ug (+++) KAT6B / MORF (718-1008) 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 H3ac (pan-acetyl) antibody .



SDS-PAGE

Recombinant KAT6B / MORF (718-1008) protein gel 10% SDS-PAGE gel with Coomassie blue staining MW: 35.7 kDa Purity: > 93%

ADDITIONAL INFORMATION

Related Product Information for KAT6B/MORF recombinant protein	Short Description: KAT6B (Lysine Acetyltransferase 6B), also called as MOZ2, MORF or MYST4, is a histone acetyltransferase and component of the MOZ/MORF protein complex. It has a histone H3 acetyltransferase activity. In addition to its acetyltransferase activity, the encoded full length protein has transcriptional activation activity in its N-terminal end and transcriptional repression activity in its C-terminal end. So it may be involved in both positive and negative regulation of transcription. KAT6B is necessary for RUNX2-dependent transcriptional activation and could be involved in brain development. Mutations have been found in patients with genitopatellar syndrome. A translocation of KAT6B gene and the CREBBP gene results in acute myeloid leukemias. It may also be involved in cerebral cortex development. Background: KAT6B (Lysine Acetyltransferase 6B), also called as MOZ2, MORF or MYST4, is a histone acetyltransferase and component of the MOZ/MORF protein complex. It has a histone H3 acetyltransferase activity. In addition to its acetyltransferase activity, the encoded full length protein has transcriptional activation activity in its N-terminal end and transcriptional repression activity in its C-terminal end. So it may be involved in both positive and negative regulation of transcription. KAT6B is necessary for RUNX2-dependent transcriptional activation and could be involved in brain development. Mutations have been found in patients with genitopatellar syndrome. A translocation of KAT6B gene and the CREBBP gene results in acute myeloid leukemias. It may also be involved in cerebral cortex development.
Product Categories/Family for KAT6B/MORF recombinant protein	Recombinant Proteins; Histone Acetyltransferase (HAT); Transcription

NCBI AND UNIPROT INFORMATION

NCBI GI #	374349203
NCBI GeneID	23522
NCBI Accession #	NP_036462.2
NCBI GenBank Nucleotide #	NM_012330
Molecular Weight	199,858 Da
NCBI Official Full Name	Homo sapiens K(lysine) acetyltransferase 6B (KAT6B), transcript variant 1, mRNA
NCBI Official Synonym Full Names	K(lysine) acetyltransferase 6B
NCBI Official Symbol	KAT6B
NCBI Official Synonym Symbols	qkf; MORF; MOZ2; GTPTS; MYST4; ZC2HC6B; querkopf
NCBI Protein Information	histone acetyltransferase KAT6B; MOZ, YBF2/SAS3, SAS2 and TIP60 protein 4; MOZ-related factor; MYST histone acetyltransferase (monocytic leukemia) 4; MYST-4; histone acetyltransferase MORF; histone acetyltransferase MOZ2; histone acetyltransferase MYST4

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.