

Recombinant Human KAT8 , GST-tagged

Cat. No. KAT8-6957H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KAT8 (2-467; contains the catalytic domain) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	2-467 aa
Description	KAT8 (MYST1) or MYST histone acetyltransferase 1 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. MYST1 have a chromodomain that involved in protein-protein interactions and targeting transcriptional regulators to chromatin. MYST histone acetyltransferase 1 is also involved in ATM function.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~83 kDa
Purity	>80%
Applications	Western Blot

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1 $\mu\text{g}/\mu$
GENE INFORMATION	
Gene Name	KAT8 K(lysine) acetyltransferase 8 [Homo sapiens]
Official Symbol	KAT8
Synonyms	KAT8; K(lysine) acetyltransferase 8; MYST histone acetyltransferase 1 , MYST1; histone acetyltransferase KAT8; FLJ14040; hMOF; MOF; MYST-1; lysine acetyltransferase 8; histone acetyltransferase MYST1; MYST histone acetyltransferase 1; MOZ, YBF2/SAS3, SAS2 and TIP60 protein 1; probable histone acetyltransferase MYST1; ortholog of Drosophila males absent on the first (MOF); MYST1;
Gene ID	84148
mRNA Refseq	NM_032188
Protein Refseq	NP_115564
MIM	609912
UniProt ID	Q9H7Z6
Chromosome Location	16p11.1

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Pathway

p53 pathway, organism-specific biosystem;

Function

acetyltransferase activity; histone acetyltransferase activity; contributes_to histone acetyltransferase activity (H4-K16 specific); contributes_to histone acetyltransferase activity (H4-K5 specific); contributes_to histone acetyltransferase activity (H4-K8 specific); metal ion binding; methylated histone residue binding; protein binding; transcription factor binding;

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