

Product Information

KAT8 (2-467), GST-tagged, human recombinant, expressed in Sf9 insect cells

Catalog Number **SRP5220**
Storage Temperature -70°C

Synonyms: KAT8, MYST1, hMOF, MOF, FLJ14040

Product 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 plays an important role in regulating chromatin remodeling, transcription, and other nuclear processes by acetylating histone and nonhistone proteins. MYST1 has a chromodomain that is involved in protein-protein interactions and targeting transcriptional regulators to chromatin.¹ MYST histone acetyltransferase 1 is also involved in ATM function.²

Recombinant human KAT8 (2-467; contains the catalytic domain) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is BC037773. Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 50 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, and 25% glycerol.

Molecular mass: ~83 kDa

Purity: 70–95% (SDS-PAGE, see Figure 1)

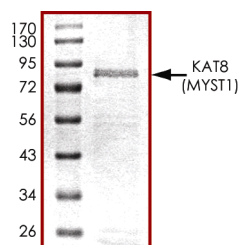
Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

The product ships on dry ice and storage at -70°C is recommended. After opening, aliquot into smaller quantities and store at -70°C . Avoid repeated handling and multiple freeze/thaw cycles.

Figure 1.
SDS-PAGE Gel of Typical Lot
70–95% (densitometry)



References

1. Neal, K.C. et al., A new human member of the MYST family of histone acetyl transferases with high sequence similarity to Drosophila MOF. *Biochim. Biophys. Acta*, **1490**, 170-174 (2000).
2. Gupta, A. et al., Involvement of human MOF in ATM function. *Molec. Cell. Biol.*, **25**, 5292-5305 (2005).

DKF,MAM 10/11-1