

MYST1 Protein, Human

Cat. No.:	HY-P701625
Synonyms:	KAT8; Histone acetyltransferase KAT8; Lysine acetyltransferase 8; MOZ; YBF2/SAS3; SAS2 and TIP60 protein 1; MYST-1; hMOF
Species:	Human
Source:	E. coli
Accession:	Q9H7Z6 (M1-K458)
Gene ID:	84148
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	MYST1 Protein, identified as a histone acetyltransferase, is implicated in transcriptional activation, suggesting its potential role in modulating gene expression. Beyond its involvement in transcriptional processes, MYST1 may exert influence over the function of ATM. As a component of the MSL complex, MYST1 plays a critical role in acetylating nucleosomal histone H4, specifically generating H4K16ac, a modification associated with chromatin remodeling. Additionally, as part of the NSL complex, MYST1 may contribute to the acetylation of nucleosomal histone H4 on various lysine residues, although with less specificity compared to the MSL complex. Notably, MYST1 exhibits the capacity to acetylate TP53/p53 at 'Lys-120,' further broadening its functional repertoire in cellular processes beyond chromatin modification.
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Caution: Product has not been fully validated for medical applications. For research use only.

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