Recombinant Full Length Human MYST1 Protein, GST-tagged

Cat. No. MYST1-6625HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MYST1 full-length ORF (AAH37773.1, 1 a.a. - 467 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	467 amino acids
Description	The MYST family of histone acetyltransferases, which includes MYST1, is named for the founding members MOZ (MYST3; MIM 601408), yeast YBF2 and SAS2, and TIP60 (HTATIP; MIM 601409). All members of this family contain a MYST region of about 240 amino acids with a canonical acetyl-CoA-binding site and a C2HC-type zinc finger motif. Most MYST proteins also have a chromodomain involved in protein-protein interactions and targeting transcriptional regulators to chromatin (Neal et al., 2000 [PubMed 10786633]).[supplied by OMIM
Molecular Mass	79.5 kDa
AA Sequence	MAAQGAAAAVAAGTSGVAGEGEPGPGENAAAEGTAPSPGRVSPPTPARGEPEVTV EIGETYLCRRPDSTWHSAEVIQSRVNDQEGREEFYVHYVGFNRRLDEWVDKNRLAL TKTVKDAVQKNSEKYLSELAEQPERKITRNQKRKHDEINHVQKTYAEMDPTTAALEK EHEAITKVKYVDKIHIGNYEIDAWYFSPFPEDYGKQPKLWLCEYCLKYMKYEKSYRF HLGQCQWRQPPGKEIYRKSNISVYEVDGKDHKIYCQNLCLLAKLFLDHKTLYFDVEP FVFYILTEVDRQGAHIVGYFSKEKESPDGNNVACILTLPPYQRRGYGKFLIAFSYELS

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	KLESTVGSPEKPLSDLGKLSYRSYWSWVLLEILRDFRGTLSIKDLSQMTSITQNDIISTLQSLNMVKYWKGQHVICVTPKLVEEHLKSAQYKKPPITGGWGAAVCRGRWGSVSMWTGRSQGLLIAVT
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	KAT8 lysine acetyltransferase 8 [Homo sapiens (human)]
Official Symbol	MYST1
Synonyms	KAT8; lysine acetyltransferase 8; MOF; hMOF; MYST1; ZC2HC8; histone acetyltransferase KAT8; K(lysine) acetyltransferase 8; MOZ, YBF2/SAS3, SAS2 and TIP60 protein 1; MYST histone acetyltransferase 1; MYST-1; histone acetyltransferase MYST1; ortholog of Drosophila males absent on the first (MOF); probable histone acetyltransferase MYST1; EC 2.3.1.48
Gene ID	84148
mRNA Refseq	NM_032188

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Protein Refseq	NP_115564
MIM	609912
UniProt ID	Q9H7Z6

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