

# Recombinant Full Length Human MYST1 Protein, GST-tagged

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human MYST1 full-length ORF ( AAH37773.1, 1 a.a. - 467 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 467 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 79.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MAAQGAAAABAAGTSGVAGEGEPGPGENAAAEGTAPSPGRVSPPTPARGEPEVTV<br>EIGETLYLCRRPDSTWHSAEVIQSRVNDQEGREEFYVHYVGFNRRLDEWVDKNRLAL<br>TKTVKDAVQKNSEKYLSELAEQPERKITRNQKRKHDEINHVQKTYAEMDPTTAALEK<br>EHEAITKVKYVDKIHIGNYEIDAWYFSPFPEDYGKQPKLWLCEYCLKYMKYEKSYRF<br>HLGQCQWRQPPGKEIYRKSNI SVYEVDGKDHIYCQNLCLLAKLFLDHKTLYFDVEP<br>FVFYILTEVDRQGAHIVGYFSKEKESPDGNNVACILTLPPYQRRGYGKFLIAFSYELS                                                                                                                                                                      |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

KLESTVGSPEKPLSDLGKLSYRSYWSWVLEILRDFRGTLSTIKDLSQMTSITQNDIIST  
LQSLNMVKYWKQHVICVTPKLVEEHLKSAQYKKPPITGGWGAAVCRGRWGSVSM  
WTGRSQGLLIAVT

**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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