

## Recombinant Human KAT6B , GST-tagged

**Cat. No.** KAT6B-6955H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human KAT6B (MYST4) (657-1069; contains the catalytic domain) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	657-1069 aa; contains the catalytic domain
<b>Description</b>	KAT6B is the catalytic subunit of the histone acetyltransferase (HAT) elongator complex, which is ubiquitously expressed in adult human tissues. KAT6B is a 1,781aa-residue protein that contains a strong transcriptional repression domain at its N terminus and a highly potent activation domain at its C terminus. These domains of KAT6B may be involved in both positive and negative regulation of transcription and also involved in cerebral cortex development. KAT6B is important for cellular aging, proliferation, positive and negative transcriptional regulation and DNA damage repair.
<b>Form</b>	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.
<b>Molecular Mass</b>	~76 kDa
<b>Purity</b>	>95%
<b>Applications</b>	Western Blot

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<b>Storage</b>	Store at $-70^{\circ}\text{C}$ . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
<b>Concentration</b>	0.1 $\mu\text{g}/\mu$
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	KAT6B K(lysine) acetyltransferase 6B [ Homo sapiens ]
<b>Official Symbol</b>	KAT6B
<b>Synonyms</b>	KAT6B; K(lysine) acetyltransferase 6B; MYST histone acetyltransferase (monocytic leukemia) 4 , MYST4; histone acetyltransferase KAT6B; Morf; MOZ related factor; MOZ2; qkf; querkopf; MYST-4; MOZ-related factor; histone acetyltransferase MORF; histone acetyltransferase MOZ2; histone acetyltransferase MYST4; MOZ, YBF2/SAS3, SAS2 and TIP60 protein 4; MYST histone acetyltransferase (monocytic leukemia) 4; monocytic leukemia zinc finger protein-related factor; MORF; GTPTS; MYST4; FLJ90335; KIAA0383; DKFZp313G1618;
<b>Gene ID</b>	<a href="#">23522</a>
<b>mRNA Refseq</b>	<a href="#">NM_001256468</a>
<b>Protein Refseq</b>	<a href="#">NP_001243397</a>
<b>MIM</b>	<a href="#">605880</a>
<b>UniProt ID</b>	<a href="#">Q8WYB5</a>
<b>Chromosome Location</b>	10q22.2

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**Function**

DNA binding; acetyltransferase activity; histone acetyltransferase activity; metal ion binding; protein binding; transcription factor binding; zinc ion binding;

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