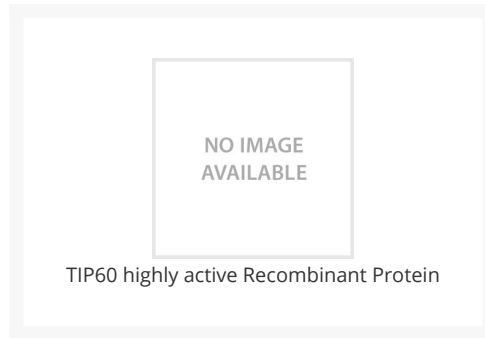




TIP60 highly active Recombinant Protein

Cat. No.: 90-347




Ψ Specifications

SPECIES:	Human
SOURCE SPECIES:	Sf21 cells
SEQUENCE:	Human TIP60 is fused to a His-tag.
FUSION TAG:	His Tag
TESTED APPLICATIONS:	
APPLICATIONS:	This recombinant proteins is for research use only.

Ψ Properties

PURITY:	>95% (SDS-PAGE)
PHYSICAL STATE:	Liquid
BUFFER:	In 50mM TRIS-HCl, pH 7.5, containing 100mM sodium chloride, 0.2% NP-40, 50mM imidazole and 10% glycerol.
CONCENTRATION:	Lot dependent (0.2-0.5mg/ml)
STORAGE CONDITIONS:	Stable for at least 6 months after receipt when stored at -80 °C.

OFFICIAL SYMBOL:	KAT5
ALTERNATE NAMES:	Histone Acetyltransferase HTATIP, Histone Acetyltransferase KAT5, Lysine Acetyltransferase 5, 60 kDa Tat-interactive Protein
ACCESSION NO.:	Q92993
PROTEIN GI NO.:	36287069
GENE ID:	10524

 Background and References

BACKGROUND:	<p>TIP60 is the catalytic subunit of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of selected genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome-DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex is required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis and DNA repair. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage. TIP60 directly acetylates and activates ataxia-telangiectasia mutated (ATM). In case of HIV-1 infection, interaction with the viral Tat protein leads to KAT5 polyubiquitination and targets it to degradation.</p>
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