

Recombinant Human SET

Cat. No. SET-30076TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SET isoform 2 with N terminal proprietary tag, 55.88kDa.
Species	Human
Source	Wheat Germ
ProteinLength	277 amino acids
Description	The protein encoded by this gene inhibits acetylation of nucleosomes, especially histone H4, by histone acetylases (HAT). This inhibition is most likely accomplished by masking histone lysines from being acetylated, and the consequence is to silence HAT-dependent transcription. The encoded protein is part of a complex localized to the endoplasmic reticulum but is found in the nucleus and inhibits apoptosis following attack by cytotoxic T lymphocytes. This protein can also enhance DNA replication of the adenovirus genome. Several transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	55.880kDa inclusive of tags
Tissue specificity	Widely expressed. Low levels in quiescent cells during serum starvation, contact inhibition or differentiation. Highly expressed in Wilms tumor.
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MSAPAAKVSKKELNSNHDGADETSEKEQQEAIEHIDEVQN EIDRLNEQASEEILKVE QKYNKLRQPFFQKRSELIKIPN FWVTTFVNHPQVSALLGEEDEEALHYLTRVEVTE FEDIKS GYRIDFYFDENPYFENKVLSEFHLNESGDPSSKSTEIKW KSGKDLTKRSS QTQNKASRKQRQHEEPESFFTWFTHSDAG ADELGEVIKDDIWPNPLQYYLVPDMD DEEGEGEEDDDDDDE EEEGLEIDEEGDEDEGEDEEDDDDEGEEGEEDGEDD
Sequence Similarities	Belongs to the nucleosome assembly protein (NAP) family.

GENE INFORMATION

Gene Name	SET SET nuclear oncogene [Homo sapiens]
Official Symbol	SET
Synonyms	SET; SET nuclear oncogene; SET translocation (myeloid leukemia associated); protein SET; 2PP2A; IPP2A2; PHAPII; protein phosphatase type 2A inhibitor; Template Activating Factor I; chromatin remodelling factor;
Gene ID	6418
mRNA Refseq	NM_001122821
Protein Refseq	NP_001116293

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MIM	600960
Uniprot ID	Q01105
Chromosome Location	9q34
Pathway	Metabolism, organism-specific biosystem; Metabolism of RNA, organism-specific biosystem; Metabolism of mRNA, organism-specific biosystem; Regulation of mRNA Stability by Proteins that Bind AU-rich Elements, organism-specific biosystem; Stabilization of mRNA by HuR, organism-specific biosystem;
Function	histone binding; protein binding; protein phosphatase inhibitor activity; protein phosphatase type 2A regulator activity;

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