

Recombinant Human SET Nuclear Oncogene

Cat. No. SET-2047H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human I2PP2A(b) was produced in <i>E. coli</i> , 41kDa.
Species	Human
Source	E.coli
Description	I2PP2A(b), also termed TAF-1a, inhibits protein phosphatase 2A potently with $k_i \sim 0.1 - 0.5$ nM with myelin basic protein, histone H1 and other substrates but not with casein. It stimulates PP1 and regulates histone binding to DNA, transcriptional activity and chromatin condensation.
Purity	> 90% by SDS-PAGE.
Supplied	250 ng in 50 ml 50 mM Tris-HCl pH 7.0 buffer containing 14 mM b-mercaptoethanol, 1 mM benzamidine, 0.1 mM phenylmethanesulfonyl fluoride, 1 mM EDTA and 0.1% Brij-35 and 10% glycerol.
Storage	Maintain preparations in aliquots at -70 °C. Avoid repeated thawing.

GENE INFORMATION

Gene Name	SET SET nuclear oncogene [Homo sapiens]
Synonyms	SET nuclear oncogene; 2PP2A; IGAAD; TAF-I; I2PP2A; IPP2A2; PHAPII; TAF-IBETA; SET; protein SET; I-2PP2A; HLA-DR-associated protein II; template-

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activating factor I; phosphatase 2A inhibitor I2PP2A; inhibitor-2 of protein phosphatase-2A; protein phosphatase type 2A inhibitor; inhibitor of granzyme A-activated DNase; SET translocation (myeloid leukemia-associated); Template-Activating Factor-I, chromatin remodelling factor; Inhibitor of granzyme A-activated DNase; Template-activating factor I; Phosphatase 2A inhibitor I2PP2A

Gene ID	6418
mRNA Refseq	NM_001122821
Protein Refseq	NP_001116293
MIM	600960
UniProt ID	Q01105
Chromosome Location	9q34
Function	phosphoprotein phosphatase inhibitor activity; protein phosphatase type 2A regulator activity; histone binding; protein binding