

## Recombinant Human SET 293 Cell Lysate

Cat. No. SET-1928HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for SET nuclear oncogene (SET), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
<b>Components</b>	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
<b>Applications</b>	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## 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; HLA-DR-associated protein II; phosphatase 2A inhibitor I2PP2A; inhibitor-2 of protein phosphatase-2A; inhibitor of granzyme A-activated DNase; SET translocation (myeloid leukemia-associated); Template-Activating Factor-I, chromatin remodelling factor; IGAAD; TAF-I; I2PP2A; TAF-IBETA;

**Gene ID** 6418

**mRNA Refseq** NM\_001122821

**Protein Refseq** NP\_001116293

**MIM** 600960

**UniProt ID** Q01105

**Chromosome Location** 9q34

**Pathway** Gene Expression, organism-specific biosystem; Regulation of mRNA Stability by Proteins that Bind AU-rich Elements, organism-specific biosystem; Stabilization of

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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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