

Recombinant Human SUPT4H1 293 Cell Lysate

Cat. No. SUPT4H1-1338HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for suppressor of Ty 4 homolog 1 (<i>S. cerevisiae</i>) (SUPT4H1) 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.
Components	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).
Size	0.1 mg
Storage Instruction	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.

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

GENE INFORMATION

Gene Name	SUPT4H1 suppressor of Ty 4 homolog 1 (S. cerevisiae) [Homo sapiens]
Official Symbol	SUPT4H1
Synonyms	SUPT4H1; suppressor of Ty 4 homolog 1 (S. cerevisiae); suppressor of Ty (S.cerevisiae) 4 homolog 1 , SUPT4H; transcription elongation factor SPT4; SPT4H; hSPT4; DSIF p14; DSIF small subunit; DRB sensitivity-inducing factor small subunit; DRB sensitivity-inducing factor 14 kDa subunit; SPT4; SUPT4H;
Gene ID	6827
mRNA Refseq	NM_003168
Protein Refseq	NP_003159
MIM	603555
UniProt ID	P63272
Chromosome Location	17q21-q23
Pathway	Abortive elongation of HIV-1 transcript in the absence of Tat, organism-specific biosystem; Disease, organism-specific biosystem; Formation of HIV-1 elongation complex containing HIV-1 Tat, organism-specific biosystem; Formation of HIV-1

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elongation complex in the absence of HIV-1 Tat, organism-specific biosystem;
Formation of RNA Pol II elongation complex, organism-specific biosystem; Formation
of the Early Elongation Complex, organism-specific biosystem; Formation of the HIV-
1 Early Elongation Complex, organism-specific biosystem;

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