Recombinant Human CTDSP1 293 Cell Lysate

Cat. No. CTDSP1-7211HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1 (CTDSP1), transcript variant 1 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	CTDSP1 CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1 [Homo sapiens]
Official Symbol	CTDSP1
Synonyms	CTDSP1; CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1; carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1; NLIIF; nuclear LIM interactor interacting factor; SCP1; small CTD phosphatase 1; NLI-interacting factor 3; small C-terminal domain phosphatase 1; nuclear LIM interactor-interacting factor 3; NIF3; NLI-IF;
Gene ID	58190
mRNA Refseq	NM_021198
Protein Refseq	NP_067021
MIM	605323
UniProt ID	Q9GZU7
Chromosome Location	2q35
Pathway	BMP receptor signaling, organism-specific biosystem; Coregulation of Androgen

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	receptor activity, organism-specific biosystem; Regulation of cytoplasmic and nuclear SMAD2/3 signaling, organism-specific biosystem;
Function	CTD phosphatase activity; hydrolase activity; metal ion binding; phosphoprotein phosphatase activity; protein binding;

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