

Recombinant Human CTDSPL 293 Cell Lysate

Cat. No. CTDSPL-7208HCL **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-like (CTDSPL), 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 CTDSPL CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like [Homo sapiens]

Official Symbol CTDSPL

Synonyms CTDSPL; CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like; C3orf8, chromosome 3 open reading frame 8; CTD small phosphatase-like protein; HYA22; HYA22 protein; PSR1; RB protein serine phosphatase from chromosome 3; RBSP3; SCP3; small CTD phosphatase 3; CTDSP-like; NIF-like protein; NLI-interacting factor 1; small C-terminal domain phosphatase 3; nuclear LIM interactor-interacting factor 1; carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 3; C3orf8;

Gene ID 10217

mRNA Refseq NM_001008392

Protein Refseq NP_001008393

MIM 608592

UniProt ID O15194

Chromosome Location 3p21.3

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

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