

Recombinant Mouse Ctdspl Protein, Myc/DDK-tagged

Cat. No. Ctdspl-2355M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like (Ctdspl), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Preferentially catalyzes the dephosphorylation of 'Ser-5' within the tandem 7 residue repeats in the C-terminal domain (CTD) of the largest RNA polymerase II subunit POLR2A. Negatively regulates RNA polymerase II transcription, possibly by controlling the transition from initiation/capping to processive transcript elongation. Recruited by REST to neuronal genes that contain RE-1 elements, leading to neuronal gene silencing in non-neuronal cells.
Molecular Mass	31.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Ctdspl CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like [*Mus musculus* (house mouse)]

Official Symbol Ctdspl

Synonyms CTDSPL; CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like; CTD small phosphatase-like protein; CTDSP-like; NIF-like protein; small CTD phosphatase 3; 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; SCP3; HYA22; AI426263; 2810418J22Rik

Gene ID 69274

mRNA Refseq NM_133710

Protein Refseq NP_598471

UniProt ID P58465

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