Recombinant Mouse Ctdsp1 Protein, Myc/DDK-tagged

Cat. No. Ctdsp1-2354M **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 1 (Ctdsp1), 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	29.3 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

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

GENE INFORMATION

Gene Name	Ctdsp1 CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1 [Mus musculus (house mouse)]
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; small CTD phosphatase 1; NLI-interacting factor 3; golli-interacting protein; small C-terminal domain phosphatase 1; nuclear LIM interactor-interacting factor 3; GIP; Nif3; SCP1; NLIIF
Gene ID	227292
mRNA Refseq	NM_153088
Protein Refseq	NP_694728
UniProt ID	P58466

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