

Recombinant Mouse Dcp1a Protein, Myc/DDK-tagged

Cat. No. Dcp1a-2476M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length decapping mRNA 1A (Dcp1a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Necessary for the degradation of mRNAs, both in normal mRNA turnover and in nonsense-mediated mRNA decay. Removes the 7-methyl guanine cap structure from mRNA molecules, yielding a 5'-phosphorylated mRNA fragment and 7m-GDP. Contributes to the transactivation of target genes after stimulation by TGFB1.
Molecular Mass	65.7 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Dcp1a decapping mRNA 1A [Mus musculus (house mouse)]
Official Symbol	Dcp1a
Synonyms	DCP1A; DCP1 decapping enzyme homolog A (S. cerevisiae); mRNA-decapping enzyme 1A; decapping enzyme; transcription factor SMIF; Smad4-interacting transcriptional co-activator; MAD homolog 4 interacting transcription coactivator 1; MAD homolog 4-interacting transcription coactivator 1; SMIF; Mitc1; AU019772; D14Ert817e; 1110066A22Rik; 4930568L04Rik
Gene ID	75901
mRNA Refseq	NM_133761
Protein Refseq	NP_598522
UniProt ID	Q91YD3

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