

## Recombinant Mouse Dcp1a Protein, Myc/DDK-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length decapping mRNA 1A (Dcp1a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                           |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 65.7 kDa                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                     |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                   |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                  |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                           |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                              |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Dcp1a decapping mRNA 1A [ Mus musculus (house mouse) ]                                                                                                                                                                                                                                                                                                       |
| <b>Official Symbol</b> | Dcp1a                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>        | 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 |
| <b>Gene ID</b>         | 75901                                                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>     | NM_133761                                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>  | NP_598522                                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>      | Q91YD3                                                                                                                                                                                                                                                                                                                                                       |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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