

## Recombinant Mouse DCPS Protein, His-tagged

Cat. No. DCPS-4360M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse DCPS protein with a His-tag was expressed in E. coli
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	Predicted to enable RNA 7-methylguanosine cap binding activity; identical protein binding activity; and m7G(5')pppN diphosphatase activity. Predicted to be involved in cellular response to menadione; mRNA metabolic process; and negative regulation of programmed cell death. Predicted to act upstream of or within RNA splicing and mRNA processing. Predicted to be located in cytosol; mitochondrion; and nucleoplasm. Predicted to be active in P-body and nucleus. Is expressed in several structures, including adrenal gland; alimentary system; genitourinary system; nervous system; and sensory organ. Orthologous to human DCPS (decapping enzyme, scavenger).
<b>Molecular Mass</b>	The protein has a calculated MW of 41.2 kDa.
<b>AA Sequence</b>	<p>MGSSHHHHHHSSGLVPRGSHMADTAPQLKRKREQEAEAEETPSTEEKEAGVGNQ            TSAPVRLPFSGFRVQKVLRESARDKIIFLHGKVNEDSGDTHGEDAVVILEKTPFQVEH            VAQLLTGSPCLKLQFSNDIYSTYNLFPFRHLSDIKTTVVYPATEKHLQKYMRQDLRLI            RETGDDYRTITLPYLESQSLSIQWVYNILDKKAEADRIVFENPDPSDGFVLIPDLKWN            QQQLDDLYLIAICHRRGIRSLRDLTPHEHLPLLRNILEGQEAILEKRYQVTGDRLRVYLH            YLPSYYHLHVHFTALGFEAPGSGVERAHLAQQVIENLECDPKHYQQRTLTFALRTDD</p>

 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

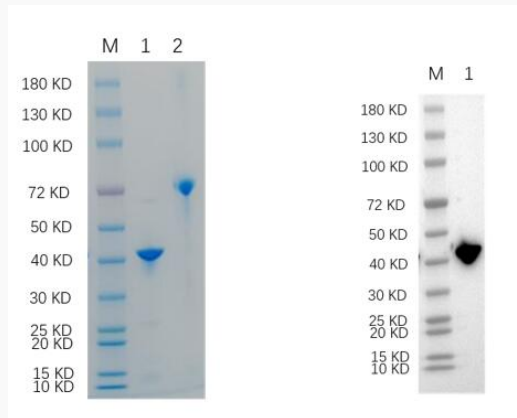
	PLLQLLQKAQQERN
<b>Purity</b>	>90% by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	0.177 mg/mL
<b>Storage Buffer</b>	50mM Tris, 300mM NaCl, pH 8.0
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Dcps decapping enzyme, scavenger [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Dcps
<b>Synonyms</b>	DCPS; decapping enzyme, scavenger; scavenger mRNA-decapping enzyme DcpS; DCS-1; HINT-5; mRNA decapping enzyme; histidine triad protein member 5; hint-related 7meGMP-directed hydrolase; AA408441; 1700001E16Rik;
<b>Gene ID</b>	69305
<b>mRNA Refseq</b>	NM_027030
<b>Protein Refseq</b>	NP_081306

 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

**SDS-PAGE:**



Reducing 12% SDS-PAGE and WB analysis profile of purified Mouse DCPS

1. Mouse DCPS

2. BSA

 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