Recombinant Mouse DCPS Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse DCPS protein with a His-tag was expressed in E. coli
Species	Mouse
Source	E.coli
Description	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).
Molecular Mass	The protein has a calculated MW of 41.2 kDa.
AA Sequence	MGSSHHHHHHSSGLVPRGSHMADTAPQLKRKREQEAEEAETPSTEEKEAGVGNG TSAPVRLPFSGFRVQKVLRESARDKIIFLHGKVNEDSGDTHGEDAVVILEKTPFQVEH VAQLLTGSPELKLQFSNDIYSTYNLFPPRHLSDIKTTVVYPATEKHLQKYMRQDLRLI RETGDDYRTITLPYLESQSLSIQWVYNILDKKAEADRIVFENPDPSDGFVLIPDLKWN QQQLDDLYLIAICHRRGIRSLRDLTPEHLPLLRNILREGQEAILKRYQVTGDRLRVYLH YLPSYYHLHVHFTALGFEAPGSGVERAHLLAQVIENLECDPKHYQQRTLTFALRTDD

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

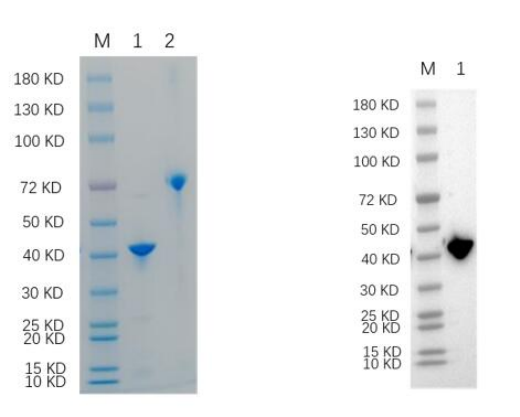
	PLLQLLQKAQQERN
Purity	>90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.177 mg/mL
Storage Buffer	50mM Tris, 300mM NaCl, pH 8.0

GENE INFORMATION

Gene Name	Dcps decapping enzyme, scavenger [Mus musculus (house mouse)]
Official Symbol	Dcps
Synonyms	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;
Gene ID	69305
mRNA Refseq	NM_027030
Protein Refseq	NP_081306

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SDS-PAGE:



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

1. Mouse DCPS

2. BSA

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