Recombinant Rat DCPS Protein, His-tagged

Cat. No. DCPS-1798R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat DCPS protein with a His-tag was expressed in E. coli
Species	Rat
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 be located in cytosol; mitochondrion; and nucleoplasm. Predicted to be active in P-body and nucleus. Orthologous to human DCPS (decapping enzyme, scavenger).
Molecular Mass	The protein has a calculated MW of 40.9 kDa.
AA Sequence	MGSSHHHHHHSSGLVPRGSHMADTAPQLKRKREQEAEEAETPSTEEKEAGVGNG TSAPVRLPFSGFRVQKVLRESARDKIIFLHGKVNEDSGDTHGEDAVVILEKTPFQVEH VAQLLTGNPELKLQFSNDIYSTYNLFPPRHLSDIKTTVVYPASEKHLQKYMRQDLRLI RETGDDYRSLTLPYLESQSLSIQWVYNILDKKAEADRIVFENPDPSDGFVLIPDLKWN QQQLDDLYLIAICHRRGIRSLRDLTPEHLPLLRNILREGQEAILKRYQVTGDRLRVYLH YLPSYYHLHVHFTALGFEAPGSGVERAHLLAEVIENLECDPKHYQRRTLTFALRTDD PLLQLLQKAQQP
Purity	>90% by SDS-PAGE

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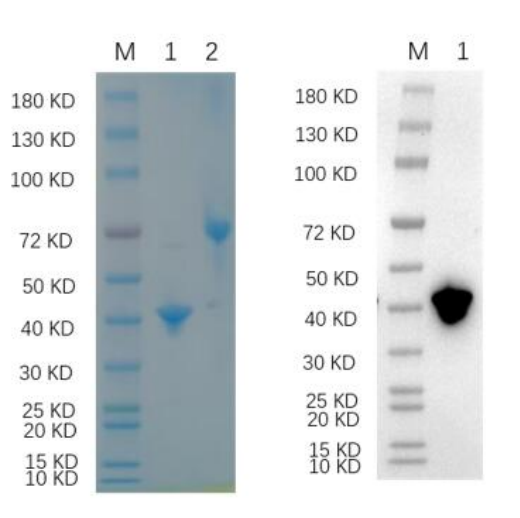
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.16 mg/mL
Storage Buffer	50mM Tris, 300mM NaCl, pH 8.0

GENE INFORMATION

Gene Name	Dcps decapping enzyme, scavenger [Rattus norvegicus]
Official Symbol	Dcps
Synonyms	DCPS; decapping enzyme, scavenger; scavenger mRNA-decapping enzyme DcpS; DCS-1; mRNA decapping enzyme; histidine triad protein member 5; hint-related 7meGMP-directed hydrolase; Hint-5; MGC124934;
Gene ID	266605
mRNA Refseq	NM_153302
Protein Refseq	NP_695214

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SDS-PAGE:



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

1. Rat DCPS

2. BSA

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