Recombinant Rhesus monkey DCPS Protein, His-tagged

Cat. No. DCPS-01R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rhesus monkey DCPS protein with a His-tag was expressed in E. coli
Species	Rhesus macaque
Source	E.coli
Description	This gene encodes a member of the histidine triad family of pyrophosphatases that removes short mRNA fragments containing the 5′ mRNA cap structure, which appear in the 3′→5′ mRNA decay pathway, following deadenylation and exosome-mediated turnover. This enzyme hydrolyzes the triphosphate linkage of the cap structure (7-methylguanosine nucleoside triphosphate) to yield 7-methylguanosine monophosphate and nucleoside diphosphate. It protects the cell from the potentially toxic accumulation of these short, capped mRNA fragments, and regulates the activity of other cap-binding proteins, which are inhibited by their accumulation. It also acts as a transcript-specific modulator of pre-mRNA splicing and microRNA turnover.
Molecular Mass	The protein has a calculated MW of 40.6 kDa.
AA Sequence	MGSSHHHHHHSSGLVPRGSHMADAAPQLGKRKRELDVEEADAASTEEKEAGVGN GTCAAVRLPFSGFRVQKVLRESARDKIIFLHGKVNESSGDGDGEDAVVILEKTPFQV EQVAQLLTGSPELQLQFSNDIYSTYHLFPPRQLSDVKTTVVYPATEKHLQKYLRQDL RLIRETGDDYRNITLPHLESQSLSIQWVYNILDKKAEADRIVFENPDPSDGFVLIPDLK WNQQQLDDLYLIAICHRRGIRSLRDLTPEHLPLLRNILHQGQEAILQRYQMKGDRLRV

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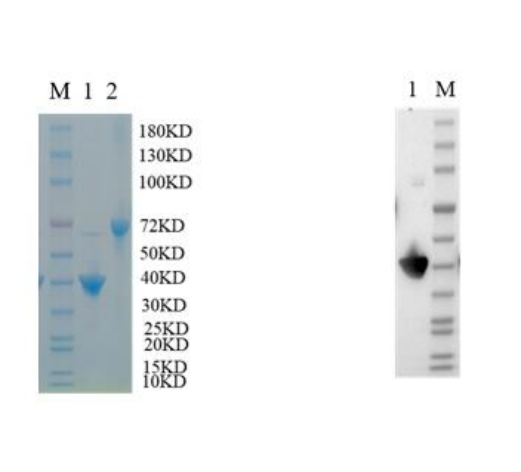
	YLHYLPSYYHLHVHFTALGFEAPGSGVERAHLLAEVIENLECDPRHYQQRTLTFALR ADDPLAQALAGGSAKLN
Purity	>90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.48 mg/mL
Storage Buffer	50mM Tris, 300mM NaCl, pH 8.0

GENE INFORMATION

Gene Name	DCPS decapping enzyme, scavenger [Macaca mulatta (Rhesus monkey)]
Official Symbol	DCPS
Synonyms	DCPS; decapping enzyme, scavenger; LOW QUALITY PROTEIN: m7GpppX diphosphatase
Gene ID	717749
mRNA Refseq	XM_015116079
Protein Refseq	XP_014971565

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SDS-PAGE:



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

1. Rhesus monkey DCPS

2. BSA

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