

Recombinant Human DCPS protein

Cat. No. DCPS-1571H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human DCPS was expressed in and purified from E. coli.
Species	Human
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.
Form	50 mM Tris-HCl (pH 8.0), 500 mM NaCl and 10% glycerol.
Molecular Mass	39 kDa
Storage	Stable for 12 months at -80 centigrade from date of shipment. Please aliquot to avoid repeated freezing and thawing.

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Concentration 0.3-0.8 mg/ml

GENE INFORMATION

Gene Name DCPS decapping enzyme, scavenger [Homo sapiens]

Official Symbol DCPS

Synonyms

DCPS; decapping enzyme, scavenger; scavenger mRNA-decapping enzyme DcpS; HINT 5; HSL1; HSPC015; DCS-1; mRNA decapping enzyme; heat shock-like protein 1; histidine triad protein member 5; hint-related 7meGMP-directed hydrolase; homolog of C. elegans 7meGMP-directed hydrolase dcs-1; HINT-5;

Gene ID 28960

mRNA Refseq NM_014026

Protein Refseq NP_054745

MIM 610534

UniProt ID Q96C86

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