

## Recombinant Human DCPS Protein, GST-tagged

**Cat. No.** DCPS-2403H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b> | Human DCPS full-length ORF ( AAH14532, 1 a.a. - 337 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | <p>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. [provided by RefSeq, Apr 2017]</p> |
| <b>Molecular Mass</b>   | 62.81 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MADAAPQLGKRKRELDVEEAHAASTEKEAGVGNGTCAVRLPFSGFRLQKVLRE<br>SARDKIIFLHGKVNEASEDGDGEDAVVILEKTPFQVEQVAQLLTGSPQLQLQFSNDIY<br>STYHLFPPRQLNDVKTTVVYPATEKHLQKYLRQDLRLIRETGDDYRNITLPHLESQSL<br>SIQWVYNILDKKAEADRVFENPDPSDGFVLIPDLKWNQQQLDDLYLIAICHRRGIRSL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | <p>RDLTPEHLPLLRNHLHQGQEAILQRYRMKGDHLRVYLHYLPSYYHLHVHFTALGFEA<br/>PGSGVERAHLAEVIENLECDPRHYQQRTLTALRADDPLLKLLQEAQQS</p>                                                                                                                                                                             |
| <b>Applications</b>     | <p>Enzyme-linked Immunoabsorbent Assay<br/>Western Blot (Recombinant protein)<br/>Antibody Production<br/>Protein Array</p>                                                                                                                                                                       |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                            |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                          |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                          |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                   |
| <b>Gene Name</b>        | DCPS decapping enzyme, scavenger [ Homo sapiens ]                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b>  | DCPS                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 28960                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>      | NM_014026                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>   | NP_054745                                                                                                                                                                                                                                                                                         |

MIM 610534

UniProt ID Q96C86

Quality Control  
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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