

Product datasheet for **TP303052M**

DCPS (NM_014026) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human decapping enzyme, scavenger (DCPS), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203052 protein sequence Red =Cloning site Green =Tags(s)

MADAAPQLGKRKRELDVEEAHAASTEKEAGVNGTCAVRLPFSGFRLQKVLRESARDKIIFLHGKVN
ASEDGDGEDAVWILEKTPFQVEQVAQLLTGSPQLQFSNDIYSTYHLFPPRQLNDVKTTVVYPATEKHL
QKYLRQDLRLIRETGDDYRNITLPHLESQSLSIQWVYNILDKKAEADRIVFENPDPSDGFVLIPDLKWNQ
QQLDDLYLIAICHRRGIRSLRDLTPEHLPLLRNHLHQQEAILQRYRMKGDHLRVYLHYLPSYYHLHVHF
TALGFEAPGSGVERAHLAEVIENLECDPRHYQQRTLTFALRADDPLLKLLQEAQQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	38.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_054745</u>
Locus ID:	28960



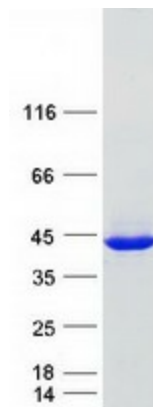
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UniProt ID: [Q96C86](#), [A0A384MT18](#)
RefSeq Size: 1508
Cytogenetics: 11q24.2
RefSeq ORF: 1011
Synonyms: ARS; DCS1; HINT-5; HINT5; HSL1; HSPC015

Summary: 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' and 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]

Protein Pathways: RNA degradation

Product images:



Coomassie blue staining of purified DCPS protein (Cat# [TP303052]). The protein was produced from HEK293T cells transfected with DCPS cDNA clone (Cat# [RC203052]) using MegaTran 2.0 (Cat# [TT210002]).