

Product datasheet for **TP303052**

DCPS (NM_014026) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human decapping enzyme, scavenger (DCPS), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203052 protein sequence Red =Cloning site Green =Tags(s)

MADAAPQLGKRKRELDVEEHAHAASTEKEAGVNGTCAVRLPFGFRLQKVLRESARDKIIFLHGKVNE
ASEDGDGEDAVILEKTPFQVEQVAQLLTGSPQLQFSNDIYSTYHLFPPRQLNDVKTTVVYPATEKHL
QKYLRLDLRLIRETGDDYRNITLPHLESQSLSIQWVYNILDKKAEADRIVFENPDPSDGFVLIPDLKWNQ
QQLDDLYLIAICHRRGIRSLRDLTPEHLPLLRNHLHQQQEAILQRYRMKGDHLRVYLHYLPSYYHLHVHF
TALGFEAPGSGVERAHLAELVLENLECDPRHYQQRTLTFALRADDPLLKLLQEAQQS

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



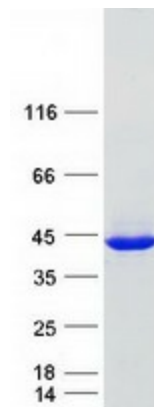
[View online »](#)

UniProt ID: [Q96C86](#)
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' cap structure, which appear in the 3' 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]).