

## Product datasheet for **RC203052L3V**

### DCPS (NM\_014026) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	DCPS (NM_014026) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DCPS
Synonyms:	ARS; DCS1; HINT-5; HINT5; HSL1; HSPC015
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_014026
ORF Size:	1011 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203052).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_014026.3</a>
RefSeq Size:	1508 bp
RefSeq ORF:	1014 bp
Locus ID:	28960
UniProt ID:	<a href="#">Q96C86</a>
Cytogenetics:	11q24.2
Protein Pathways:	RNA degradation
MW:	38.7 kDa



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**Gene 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' 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]