

## Product datasheet for **RR206670**

### Dcps (NM\_153302) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dcps (NM_153302) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dcps
Synonyms:	Hint-5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR206670 representing NM_153302 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGATACAGCGCCTCAACTCAAGAGAAAGCGGAACAGGAGGCAGAGGAGGCAGAAACCCCCAGCA  
CAGAGGAGAAGGAAGCAGGCGTTGGCAATGGCACCTCTGCCCTGTCCGTTACCCCTCTCCGGCTTTAG  
AGTACAAAAAGTCTGAGGGAGTCTGCGCGGGACAAAATTATTTCTGCATGGGAAGGTGAATGAGGAC  
TCTGGGGATACTCATGGAGAAGATGCTGTGGTAATCCTGGAGAAGACACCGTTTCAGGTAGAACATGTGG  
CGCAGCTCCTAACGGGGAACCCAGAGCTCAAGTTGCAATTCTCCAATGATATCTACAGCACCTATAACCT  
GTTTCTCCAAGGCATCTGAGTGATATAAAAAACAACCGTGGTATACCCCTGCCTCAGAGAAACACCTGCAA  
AAGTACATGCGTCAGGACCTCCGCTGATCCGAGAGACTGGAGATGACTACAGGAGCCTCACTTTACCCCT  
ACCTGGAGTCCCAGAGCCTCAGCATCCAGTGGGTATATAACATTCTTGACAAGAAGGCCGAAGCTGACCG  
GATTGTCTTTGAGAACCCAGATCCTTCTGATGGCTTTGCCTCATCCAGACCTCAAATGGAACCCAGCAG  
CAGCTTGATGACCTGACTTGATCGCCATTTGCCATCGCCGGGTATCAGATCACTTCGAGATCTCACTC  
CAGAGCACCTGCCACTACTGAGGAACATTTCTCCGAGAAGGACAAGAAGCCATCCTGAAGCGCTACCAGGT  
AACAGGAGACCGTCTGCGTGTGTACCTGCACTACCTGCCCTCTTACTACCACCTGCATGTACATTTACC  
GCCCTGGGTTTCGAGGCTCCTGGCTCAGGTGTGGAGAGGGCGCACCTGCTGGCTGAAGTGATCGAGAACC  
TGGAGTGTACCCCAAGCATTATCAGCGGCGCACTCTTACTTTGCCCTCAGGACCGACGACCCCTGCT  
TCAGCTCTGCAGAAGGCCAGCAACCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR206670 representing NM\_153302  
 Red=Cloning site Green=Tags(s)

MADTAPQLKRKREQEAEAEATPSTEEKEAGVGNGTAPVRLPFSGFRVQKVLRESARDKIIFLHGKVNED  
 SGDTHGEDAVVILEKTPFQVEHVAQLL TGNPELKLQFSNDIYSTYNLFPPRHLSDIKTTVVYPASEKHLQ  
 KYMRQDLRLIRETGDDYRSLTLPYLESQSLSIQWVYNILDKKAEADRVFENPDPDGFVLIPDLKWNQQ  
 QLDDL YLIAICHRRGIRSLRDLTPEHLPLLRNLRREGQEA I LKRYQVTGDRLRVYLHYLPSYYHLHVHFT  
 ALGFEAPGSGVERAHL LAEVIENLECDPKHYQRRTLTFALRTDDPLLQLLQKAQQP

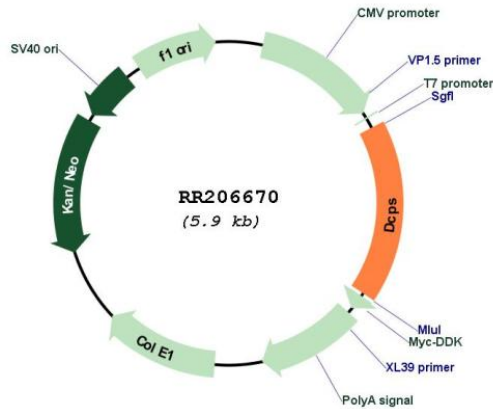
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_153302

**ORF Size:** 1008 bp

<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_153302.1</a> , <a href="#">NP_695214.1</a>
<b>RefSeq Size:</b>	1221 bp
<b>RefSeq ORF:</b>	1011 bp
<b>Locus ID:</b>	266605
<b>UniProt ID:</b>	<a href="#">Q8K4F7</a>
<b>Cytogenetics:</b>	8q21
<b>MW:</b>	38.7 kDa
<b>Gene Summary:</b>	human homolog is a scavenger pyrophosphatase that hydrolyzes the residual cap structure following 3 to 5 decay of an mRNA [RGD, Feb 2006]