

## Product datasheet for MC203955

### Dcps (NM\_027030) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dcps (NM\_027030) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Dcps  
**Synonyms:** 1700001E16Rik; AA408441  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC016273  
GCTTCTTCGTGCAGGCGGGTACGGTCTTCCCAGGCAGCATGGCGGATACAGCGCCTCAACTCAAGAGAA  
AGCGCGAACAGGAGGCAGAGGAGGCAGAAACCCAGCACAGAGGAGAAGGAAGCAGGCGTTGGCAATGG  
CACCTCTGCCCTGTCCGCTTACCGTTCTCCGGCTTTAGAGTACAAAAAGTGCTCAGGGAGTCTGCGCGG  
GACAAAATTATTTTCTGCATGGGAAGGTGAATGAGGACTCTGGGGATACTCATGGAGAAGATGCGGTTG  
TGATCCTGGAGAAGACACCATTTTCAGGTAGAACACGTGGCGCAGCTCCTAACGGGGAGCCCTGAGCTCAA  
GTTGCAGTTCTCCAATGATATCTACAGCACCTATAACCTGTTTCTCCAAGGCATCTGAGTGATATAAAA  
ACAAGTGTGGTGTACCCTGCCACAGAGAAACACCTGCAAAAATACATGCGTCAGGACCTCCGCTGATCC  
GAGAGACTGGAGATGACTACAGGACCATCACCTTACCCTACCTGGAATCCCAGAGCCTTAGCATCCAGTG  
GGTGATAAACATTCTTGACAAGAAGGCTGAAGCTGACCGGATTGTTTTGAGAACCAGACCCCTTCTGAT  
GGCTTTGTCCTCATCCCAGACCTCAAGTGAACCAGCAGCAGCTTGATGACCTGTATTTGATCGCCATCT  
GCCATCGCCGGGTATCAGATCACTTCGAGATCTCACTCCAGAGCATCTGCCACTACTGAGGAACATTCT  
CCGGGAAGGACAAGAAGCCATCCTGAAGCGCTACCAGGTGACAGGAGACCGTCTGCGAGTGTACCTACAC  
TACCTGCCTCTTACTATCACCTGCACGTGCAATTTACAGCTCTGGGCTTCGAGGCTCCGGGCTCAGGGG  
TGGAGCGGGCACACCTGTGGCTCAAGTGATCGAGAACCTGGAGTGTGACCCCAAGCACTATCAACAGCG  
CACTCTTACTTTTGCCTCAGGACCGATGACCCCTGCTTCAGCTCCTGCAGAAGGCCAGCAAGAGAGG  
AACTAGTGGTTCGGGCTGGGGTAGTGTGGGCTGGGTTTTATCTCTAAGGGATTCCCTAAAATGCATT  
TTGTAGTTTCTCGGCTTTCAGCAAAGGTCAAGTGAAGATGTTTTTTGTACTGGTTTATTCTCACAT  
GAGAATAAAGAAGTCTGATTGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_027030  
**Insert Size:** 1017 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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="#">BC016273</a> , <a href="#">AAH16273</a>
<b>RefSeq Size:</b>	1240 bp
<b>RefSeq ORF:</b>	1017 bp
<b>Locus ID:</b>	69305
<b>UniProt ID:</b>	<a href="#">Q9DAR7</a>
<b>Cytogenetics:</b>	9 A4
<b>Gene Summary:</b>	<p>Decapping scavenger enzyme that catalyzes the cleavage of a residual cap structure following the degradation of mRNAs by the 3'-&gt;5' exosome-mediated mRNA decay pathway. Hydrolyzes cap analog structures like 7-methylguanosine nucleoside triphosphate (m7GpppG) with up to 10 nucleotide substrates (small capped oligoribonucleotides) and specifically releases 5'-phosphorylated RNA fragments and 7-methylguanosine monophosphate (m7GMP). Cleaves cap analog structures like tri-methyl guanosine nucleoside triphosphate (m3(2,2,7)GpppG) with very poor efficiency. Does not hydrolyze unmethylated cap analog (GpppG) and shows no decapping activity on intact m7GpppG-capped mRNA molecules longer than 25 nucleotides. Does not hydrolyze 7-methylguanosine diphosphate (m7GDP) to m7GMP. May also play a role in the 5'-&gt;3' mRNA decay pathway; m7GDP, the downstream product released by the 5'-&gt;3' mRNA mediated decapping activity, may be also converted by DCPS to m7GMP. Binds to m7GpppG and strongly to m7GDP. Plays a role in first intron splicing of pre-mRNAs. Inhibits activation-induced cell death.</p> <p>[UniProtKB/Swiss-Prot Function]</p>