

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 GCTTCTTCGTGCAGGCGGGTACGGTTCTTCCCAGGCAGCATGGCGGATACAGCGCCTCAACTCAAGAGAA AGCGCGAACAGGAGGCAGAGGAGGCAGAAACCCCGCAGCAGAGGAGAAGGAAGCAGGCGTTGGCAATGG CACCTCTGCCCTGTCCGCTTACCGTTCTCCGGCTTTAGAGTACAAAAAGTGCTCAGGGAGTCTGCGCGG GACAAAATTATTTTCTGCATGGGAAGGTGAATGAGGACTCTGGGGATACTCATGGAGAAGATGCGGTTG TGATCCTGGAGAAGACACCATTTCAGGTAGAACACGTGGCGCAGCTCCTAACGGGGAGCCCTGAGCTCAA GTTGCACTTCTCCAATGATATCTACAGCACCTATAACCTGTTTCTCCAAGGCATCTGAGTGATATAAAA ACAACTGTGGTGTAACCTGCCACAGAGAAACACCTGCAAAAATACATGCGTCAGGACCTCCGCCTGATCC GAGAGACTGGAGATGACTACAGGACCATCACCTTACCCTACCTGGAATCCCAGAGCCTTAGCATCCAGTG GGTGTATAACATTCTTGACAAGAAGGCTGAAGCTGACCGGATTGTTTTGAGAAGCCAGACCCCTTCTGAT GGCTTTGTCCTCATCCCAGACCTCAAGTGAACAGCAGCAGCTTGATGACCTGTATTTGATCGCCATCT GCCATCGCCGGGGTATCAGATCACTTCGAGATCTCACTCCAGAGCATCTGCCACTACTGAGGAACATTCT CCGGGAAGGACAAGAAGCCATCCTGAAGCGCTACCAGGTGACAGGAGACCGTCTGCGAGTGATACCTACAC TACCTGCCCTCTTACTATCACCTGCACGTGCATTTACAGCTCTGGGCTTCGAGGCTCCGGGCTCAGGGG TGGAGCGGGCACACCTGCTGGCTCAAGTGATCGAGAACCTGGAGTGTGACCCCAAGCACTATCAACAGCG CACTCTTACTTTTGCCCTCAGGACCGATGACCCCTGCTTCAGCTCCTGCAGAAGGCCAGCAAGAGAGG AACTAGTGGGTCGGGCTGGGGTAGTGTGGGCTGGGTTTTATCTCTAAGGGATTCCCTAAAATGCATT TTGTAGTTTCTCGGCCTTTCAGCAAAGGTCAAGTGAAGATGTTTTTTGTAAGGTTTATTCTCTACAT GAGAATAAAGAACTTTCTGATTGGAAGAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_027030
Insert Size:	1017 bp


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OTI Disclaimer:	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).
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC016273 , AAH16273
RefSeq Size:	1240 bp
RefSeq ORF:	1017 bp
Locus ID:	69305
UniProt ID:	Q9DAR7
Cytogenetics:	9 A4
Gene Summary:	<p>Decapping scavenger enzyme that catalyzes the cleavage of a residual cap structure following the degradation of mRNAs by the 3'->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'->3' mRNA decay pathway; m7GDP, the downstream product released by the 5'->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>