

Product datasheet for **MC219096**

Coasy (NM_027896) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coasy (NM_027896) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Coasy
Synonyms:	1300003G02Rik; Dpck; Ppat; Ukr1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219096 representing NM_027896
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGTGTTCCGCTCAGGCCTCTGGTGTGACAACGCGCTGGCCACCTGGCCGACGCTGCCTC
 CCATCCTGACCTCGGCGTCCCGCTGGTGAATCACACCCTCTATGTGACCTGCAGCCGGCATGAACCT
 GGGGGACCCGCTCAGCCTCAGGCCAGCCCTGTGACGGCCACATTTGAGTTCTGGATTTTCATCAGCAC
 CTCTACACTGGTCCGACCTGCACAGGCACCTGGACGTGAGAATCTACTGACCAATATCCAAACCAAGA
 GCACCTTTCTCCCTGTGCTGTCTCAGTCCAGAATCTGGCCACCCTCCAGAAGTGGTTCTGACGGACTT
 CCAGACCCTGGACGGGAGCCAGTACAACCTGTTAAACAACAGCTAGAGCGTTATGCCACCAGTTGTTAC
 AGCTGTTCTCCACAGCTGGCTTCTGTGTTGCTGTATCCGATTATGGAAGTGGAGAGCTGCCTTTGGAGC
 CCCCAGTGCCTTTACCTCTACTATAAGGCCGGCTTCCCGGTTGCCAGATCTCAAGGCAGCCTGT
 GCGTGGCTACCACCGTGGGCGCTGGTGGCACTTTTGACCGCTTGACAATGCCACAAAGTGTGCTC
 AGTGTTCATGTGTACTGGCCAGGAGCAGCTTGTGGTGGGAGTAGCTGACAAAGATCTGTTGAAGAGCA
 AGTTGCTCCCGAGCTGCTCCAGCCGATGCAGAGCGCGTGGAGCATCTGACTGAGTTTCTGGTGGACAT
 CAAGCCCTCCCTGACCTTGAACCTCGTCCCGCTGCTGGATCCCTATGGCCTGCTGGGTCCGACCCACC
 TTGGAGTTCCTGGTGGTCCAGCAGGAGACCTACCGTGGGGGATGGCTGTCAACCCTCCCGCTTGAGA
 ATGGCAAAGAAGAACTTGCTTTGTACCAGATACAACCTGCTGAAGGACCAGAGTCACAATGAAAATGAGGA
 GGACAAGTCCAGTCTCCAGCTTTCGCCAGCGAATCCTGGGAAACCTGCTTCAGCCTCCAAATGAGAGG
 CCGGAGCTCCCGTCCAGTCTCTATGTGCTCGGGCTCACAGGCATCAGTGGCTCTGGGAAAAGCTCGGTAG
 CTCAGCGCTGAAGAAGTGGGAGCATACATCATCGACAGCGACCCTGGGCCATCGGGCCTATGCTCC
 TGGGGTCTGCCTACCGCCTGTGGTGGAGGCCCTTGGAAACAGATATTCTCCATAAAGATGGCACCATC
 AATAGGAAGTCTGGGACCGGGTGTGGGAAACAAGAAGCAGATGAAGATCCTCACAGATATTGTGT
 GGCCAGTTATCGCAAAGCTGGCCCGGGAGGAGATGGATGTGGCTGTGGCTAAGGGAAAACCTCTGTGTGT
 AATCGATGCTGCTATGCTGCTTGAAGCTGGCTGGCAGAGTATGGTACACGAGGTGTGGACCGTCGTCATC
 CCTGAGACTGAGGCTGTTGACGCATTGTTGAGAGGGATGGACTAAGTGGGAGCCGCTCAGAGCCGGC
 TGCAGAGCCAGATGAGCGGCCAGCAGCTGGTAGAGCAGAGCAACGTGGTTCTGAGCACCTGTGGGAGTC
 ACATGTACACAGAGCCAGGTGGAAAAGCGTGGAAATCTTCTACAGAAGCGCCTCCCTAAGGCTTACCAG
 ACCAGGAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_027896

Insert Size: 1692 bp

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:

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.

RefSeq: [NM_027896.4](#), [NP_082172.2](#)

RefSeq Size: 2386 bp

RefSeq ORF: 1692 bp

Locus ID: 71743

Cytogenetics: 11 D

Gene Summary: This gene encodes the bifunctional protein coenzyme A (CoA) synthase which carries out the last two steps in the biosynthesis of CoA from pantothenic acid (vitamin B5). The phosphopantetheine adenylyltransferase domain of this protein catalyzes the conversion of phosphopantetheine into dephospho-CoA while its dephospho-CoA kinase domain completes the final step by phosphorylating dephospho-CoA to form CoA. [provided by RefSeq, Apr 2015]