

Product datasheet for **RR200969**

Coasy (NM_001006954) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coasy (NM_001006954) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Coasy
Synonyms:	MGC94749; Naglu
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR200969 representing NM_001006954
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGTATTCCGCTCAGGCCTCTGGTGTGACAACGCGCTGGCCACCTGGCCGACGCTGCCTC
 CCATCCTGACCTCGGCGTCACACCTGGTGAATCACACCCTCTATGTGCACCTGCAGCCGGGCATGAACCT
 GGGGGACCCGCTCAGCCCCAGCCAGCCCTGTGACGGCCACATTTGAGGTTCTGGATTTATCACGCAC
 CTCTACACTGGTCCGACCTGCACAGGCACCTGGACGTGAGAATCTACTGACCAATATCCAAACCAAGA
 GTACCTTAATCCCTGTGCTTCTCAGTCCAGAATCTGGCCACCCTCCAGAAGTGTCTGACGGACTT
 CCAGACCCTGGATGGGAGCCAGTACAACCTGTTAAACAACAGCTAGAGCGTTATGCCACCAGCTGTAC
 AGCTGTTCTCCACAGTTGCTTCCGATTGCTGTATCCGATTATGGGACTGGAGAGATGCCTTTGGAAC
 TCCCGAATGCCCTTACCCTCCACCATAAGGCCAGCTTCCCGGTGGCCAGATCTCCGAGGCAGCTGT
 GCGTGGCTACCGCGTGGGGCCGTGGTGGCATTGTTGACCGCTTGACAATGCCCAAAAGTGTGCTC
 AGTGTTGCATGTGTACTGGCCAGGAGCAGCTTGTGGTGGGAGTAGCGGACAAAGATCTGTTGAAGAGCA
 AGTTGCTCCCTGAGCTGCTCCAGCCTTATTCAGAGCGTGTGGGCATCTGAATGAGTTTCTGGTGGACAT
 CAAGCCCTCCCTGACTTTTGAACATCCCCCTGCTGGATCCCTATGGCCTGCTGGGTCTGACCCCACT
 TTGGAGTTCCTGGTGGTCCAGCAGGAGACCTACCGTGGGGGATGGCCGTCACCCGCTCCCGCTTGAGA
 ATGGCAAAGAGGAGCTCGCCTTATACCAGATACAGCTGCTGAAGGACCAGAGTCAACAAGAAAACGAGGA
 GAAAAGGTCAGCTCCTCCAGCTTTCGCCAGCGAATCTGGGAAACCTGCTTCAGCCTCCGAATGAGAGG
 CCCGAGCTCCCGTCCAGTATCTATGTGCTGGGGCTGACAGGCATCAGCGGCTCTGGGAAAAGCTCAGTGG
 CTCAGCGGTGAAGAACCTGGGGCATAACATCATTGACAGTGACCATCTGGGCCACCGGGCTATGCTCC
 CGGGGGCCCTGCCTACCAGCCTGTGGTGGAGCCCTTGGAAACAGATATTCTCCATCAAGATGGGACCATC
 AATAGGAAGTCTTAGGCAGCCGGTGTGGGAATAAGAAGCAGCTGAAGATGCTCACAGATATTGTGT
 GGCCAGTTATCGCAAAGCTGGCCGAGAGGAGATGGATGTGGCTGTGGTAAGGAAAGACTCTGTGTGT
 GATTGATGCTGCTATGCTGCTTGAAGCTGGCTGGCAGAAATGTTACACGAGGTGTGGACCGTCGTCATC
 CCTGAGTCTGAGGCTGTACGTCGCATTGTTGAGAGGGATGGACTGAGTGAGGCAGCCGCTCAAAGCCGGC
 TGCAGAACCAGATGAGTGGGCAGCAGCTGGTAGAGCAGAGCCACGTGTTCTGTGCACCTGTGGGAATC
 ACATGTACACAGCGCCAGGTGGAAAAGCTTGGGATCTTCTACAGAAACGCCTCCCAAGGCTCACCAG
 ACCAGGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200969 representing NM_001006954
 Red=Cloning site Green=Tags(s)

MAVFRSGLLVLTPLATLAARLPPILTSASHLVNHTLYVHLQPGMNLGGPAQPQSPVQATFEVLDIFITH
 LYTGADLHRHLDVRILLTNIQKSTLIPVLSVQNLAHPPEVVL TDFQTL DGSQYNPVKQQLERYATSCY
 SCSPQLSSVLLYPDYGTGEMPLELPNALLPSTIRPASPVARSQPVVRYRRGAVGGTFDRLHNAHKVLL
 SVACVLAQEQLVVGADKDLLKSKLLPELLQPYSERVGHLEFLVDIKPSLTFELIPLLDYPYGPAGSDPT
 LEFLVSEETYRGGMAVNRFRLENGKEELALYQIQLLKDQSHKENEKVVSSSFRQRILGNLLQPPNER
 PELPSGIYVLGLTGISGSKSSVAQRLKNL GAYIIDS DHLGHRAYAPGGPAYQPVEAFGTDILHQDGTI
 NRKVLGSRVFGNKKQLKMLTDIVWPVIAKLAREEMDVAVAKGKTL CVIDAAMLL EAGWQNMVHEVWTVVI
 PESEAVRRIVERDGLSEAAAQSRLQNQMSGQQLVEQSHVVLCTLWESHVTQRQVEKAWDLLQKRLPKAHQ
 TRN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

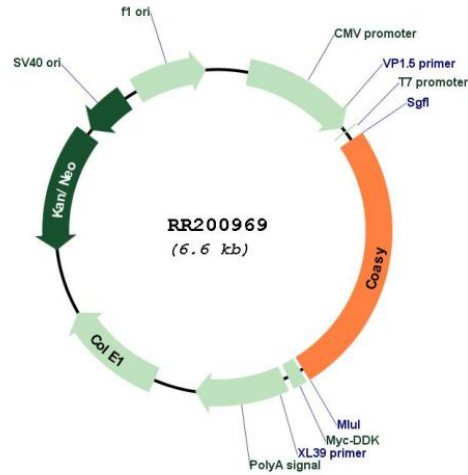
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001006954
 ORF Size: 1689 bp

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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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.
RefSeq:	NM_001006954.1 , NP_001006955.1
RefSeq Size:	2060 bp
RefSeq ORF:	1692 bp
Locus ID:	287711
Cytogenetics:	10q31
MW:	62.2 kDa