

## Product datasheet for MC200741

### Csn2 (NM\_009972) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Csn2 (NM\_009972) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Csn2  
**Synonyms:** Csnb  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC021153 sequence for NM\_009972  
 CCACGCGTCCGGCTTACCTCCTCTCTTGTCCCTCACTAAAGGACTTGACAGCCATGAAGGTCTTCATCC  
 TCGCCTGCCTTGTGGCCCTTGCTCTTGCAAGAGAGACTACATTTACTGTATCCTCTGAGACTGATAGTAT  
 TTCCAGTGAGGAATCTGTTGAACATATCAATGAGCAGAAACTTCAGAAGGTGAATCTCATGGGACAGCTG  
 CAGGCAGAGGATGTGCTCCAGGCTAAAGTTCCTCCAGCATCCAGTCACAGCCCCAGGCCTTCCATATG  
 CTCAGGCTCAAACCATCTCTTGCAATCCCGTCCCACAAAACATCCAGCCTATTGCTCAACCCCTGTGGT  
 GCCATCTCTTGGGCTGTCAATTTCTCTGAACTGGAATCCTTCTTAAAGCTAAAGCCACCATCCTTCCC  
 AAGCACAAACAGATGCCCTCCTTAACTCTGAACTGTGCTCCGCCTCATAAACTCTCAAATCCCCAGCC  
 TTGCCAGTCTTGCTAATCTGCACCTTCTCAGTCTCTGGTCCAGCTCCTGGCACAGGTTGTTCCAGGCTTT  
 TCCTCAGACTCACCTGGTTTCTTCTCAGACCCAGCTGTCTTCTCAGTCCAAAGTTCTGTACTTTCTG  
 CAGCAAGTAGCACCTTCCCTTCCACAAGATATGTCTGTCCAAGACCTTCTGCAGTACCTAGAACTTCTTA  
 ACCCCACCGTCCAATTCCTGCCACTCCACAACATTCCGTTTCTGTCTAAGAGGATTTCCAGGTTATTTT  
 CTCTCCTTATGTTTTTGAAGTACTGAACTGGAAATGTACAAATCTTTTACCTTTGGATCATGCTA  
 CAAAAATGATATATTTCTGAATTAATCTACATGGGAAAAGAAAATGATTCTTTTATTTATTCTATGT  
 ATTATATGGCATTCAATTTGAATTCGACCATGGACTCTATATGCTTCTCAGTTATATTACAGGAATTTTA  
 TAAGTGTCAATATGGAGTTGAAAATGCAAGTCAATAATGTATACAAAATAGTTTGTGAAAAATTGGATT  
 TTCTATTTTTTTCTTTGAGAACCTATTTCTTTCCAGTCATTTCAATAAAAATAATCCTTTAGGCATAAA  
 AAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_009972  
**Insert Size:** 696 bp



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**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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:** [BC021153](#), [AAH21153](#)

**RefSeq Size:** 1139 bp

**RefSeq ORF:** 696 bp

**Locus ID:** 12991

**UniProt ID:** [P10598](#)

**Cytogenetics:** 5 43.56 cM

**Gene Summary:** Important role in determination of the surface properties of the casein micelles.  
 [UniProtKB/Swiss-Prot Function]  
 Transcript Variant: This variant (1) encodes the longest isoform (a).