

Product datasheet for **RG203116**

CSN3 (NM_005212) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CSN3 (NM_005212) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CSN3
Synonyms: CNS10; CSN10; CSNK; KCA
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203116 representing NM_005212
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAAAGTTTCTTCTAGTTGTCAATGCCCTGGCATTAAACCCTGCCTTTTGGCTGTGGAGGTTCAAA
 ACCAGAAACAACCAGCATGCCATGAGAATGATGAAAGACCATTCTATCAGAAAACAGCTCCATATGTCCC
 AATGTATTATGTGCAAATAGCTATCCTTATTATGGAACCAATTTGTACCAACGTAGACCAGCTATAGCA
 ATTAATAATCCATGTGTGCCTCGCACATATTATGCAAACCCAGCTGTAGTTAGGCCACATGCCAAATTC
 CTCAGCGCAATACCTGCCAAATAGCCACCCACCCACTGTGGTACGTGCCCCAACCTGCATCCATCATT
 TATTGCCATCCCCCAAAGAAAATTCAGGATAAAATAATCATCCCTACCATCAATACCATTGCTACTGTT
 GAACCTACACCAGCTCCTGCCACTGAACCAACGGTGGACAGTGTAGTCACTCCAGAAGCTTTTTCAGAGT
 CCATCATCACGAGCACCCCTGAGACAACCACAGTTGCAGTTACTCCACCTACGGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203116 representing NM_005212
 Red=Cloning site Green=Tags(s)

MKSFLLVNALALTLPLAVEVQNQKPACHENDERPFYQKTAPYVPMYYVPNSYPYGTNLYQRRPAIA
 INNPCVPRTYANPAVVRPHAQIPQRQYLPNSHPPTVVRPNLHPSFIAIPPKIQDKIIPTINTIATV
 EPTPAPATEPTVDSVVTPEAFSESIITSTPETTTVAVTPPTA

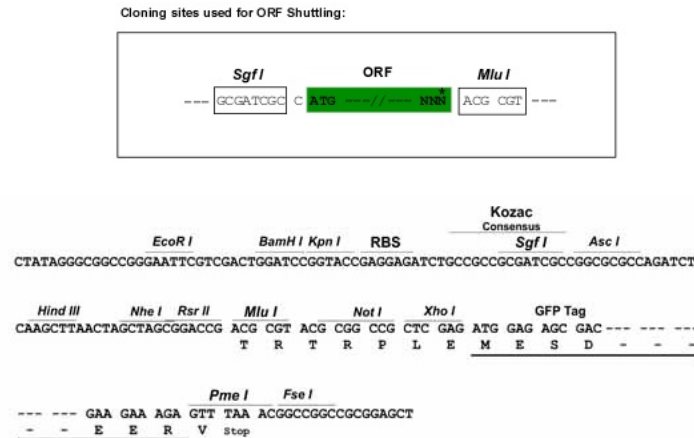
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_005212

ORF Size: 546 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:

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: [NM_005212.1](#), [NP_005203.1](#)

RefSeq Size: 820 bp

RefSeq ORF: 549 bp

Locus ID: 1448

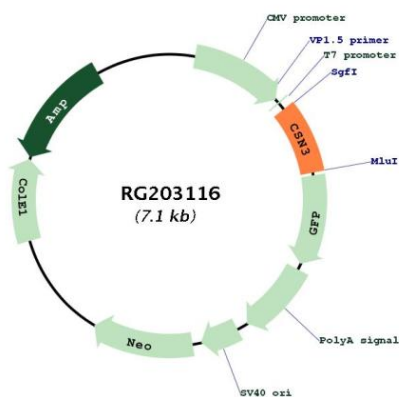
UniProt ID: [P07498](#)

Cytogenetics: 4q13.3

Protein Families: Secreted Protein

Gene Summary: Kappa-casein stabilizes micelle formation, preventing casein precipitation in milk.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203116