

## Product datasheet for **RR213979**

### Csn1s2a (NM\_001105741) Rat Tagged ORF Clone

#### Product data:

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                            |
| Product Name:             | Csn1s2a (NM_001105741) Rat Tagged ORF Clone                                    |
| Tag:                      | Myc-DDK                                                                        |
| Symbol:                   | Csn1s2a                                                                        |
| Synonyms:                 | Csng                                                                           |
| Mammalian Cell Selection: | Neomycin                                                                       |
| Vector:                   | pCMV6-Entry (PS100001)                                                         |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                           |
| ORF Nucleotide Sequence:  | >RR213979 representing NM_001105741<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGTTCTTCATCTTCACCTGCCTGGTGGCTGCTGCTCTGGCTAAGCATGCGGTAAAGGATAAACCTT  
 CCAGTGAGGAATCTGCCAGTGTCTACCTGGGAAAGTATAAGCAGGGCAATGGTGTGTTCTTCCAAACACC  
 TCAGGACTCTGTAGCAGTTCATCCAGCGAGGAATCATCTGAGGAAATCAGCGAAAAATTGAACAGTCT  
 GAGGAACAAAAGGTCAACCTAAATCAGCAGAAGAAAAGCAAGCAATTTTCCAGGACTCTTCCTTCCCC  
 AAATTTGCACACCTTATCAACAGCAGAGTAGTGTGAACCAATGGCCCCAGCCTAATGCCATCTATAACAT  
 CCCCAGCCAGGAGTCCACCAGCACCTCAGTGGAGGAAATCCTGAAGAAGATCATTGATATCGTCAAGTAC  
 TTCCAATATCAACAGCTACCAACCCCCACTTTCCCAGGCTGTTTCATCCACAGATACCTGTGAGCTCTT  
 GGGCCCCCAGTAAGGACTACACCTTCCCACTGCTCGCTACATGGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                       |
|-------------------|-----------------------------------------------------------------------|
| Protein Sequence: | >RR213979 representing NM_001105741<br>Red=Cloning site Green=Tags(s) |
|-------------------|-----------------------------------------------------------------------|

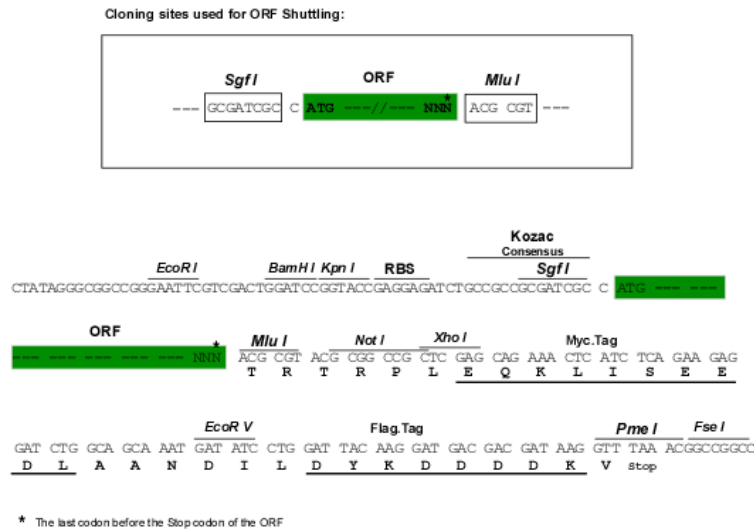
MKFFIFTCLVAALAKHAVKDKPSSEESASVYLGKYKQGNVFFQTPQDSASSSSSEESSEEISEKIEQS  
 EEQKVNLNQKKSKQFSQDSSFPQICTPYQQSSVNQWPQPNAIYNIPSQESTSTSVEEILKKIIDIVKY  
 FQYQQLTNPHFPQAVHPQIPVSSWAPSKDYTFPTARYMA

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

|                    |           |
|--------------------|-----------|
| Restriction Sites: | Sgfl-MluI |
|--------------------|-----------|


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## Cloning Scheme:



ACCN: NM\_001105741

ORF Size: 537 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.

RefSeq: [NM\\_001105741.1](#), [NP\\_001099211.1](#)

RefSeq Size: 868 bp

RefSeq ORF: 540 bp

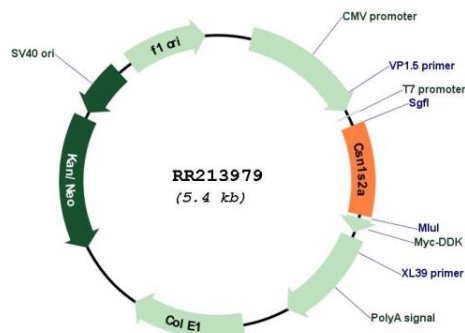
Locus ID: 114595

Cytogenetics: 14p21

MW: 20.2 kDa

**Gene Summary:** member of the casein family of milk proteins [RGD, Feb 2006]

## Product images:



Circular map for RR213979