

Product datasheet for RR202292

Csn1s1 (NM_138874) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csn1s1 (NM_138874) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Csn1s1
Synonyms:	Casa; Csn1; Cсна
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR202292 representing NM_138874 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAACTTCTTATCCTCACCTGCCTCGTGGCTGCTGCTCTTGCTCTGCCTAGAGCTCATCGTAGAAATG
CAGTCAGCAGTCAAACCTCAGCAAGAGAATAGCAGCAGTGAGGAACAGGAAATTGTTAAACAACCAAAGTA
TCTCAGTCTTAATGAGGAGTTCGTCAACAACCTGAACAGACAGAGAGAGCTTCTGACAGAACAGGATAAT
GAAATCAAGATAACTATGGACTCATCAGCTGAGGAACAAGCAACGCAAGTGCTCAGGAAGATTCCTCCT
CAAGCAGCTCATCAAGCGAGGAATCCAAGGATGCTATTCCAGTGCTACTGAGCAGAAAAACATTGCAAA
CAAAGAAATACTCAACCGATGCACCTGGAACAGCTTCAGAGACAGATTAATACAGCCAACTTCTCCAG
CAAGCTTCACTGGCTCAGCAAGCTTCCCTGGCTCAGCAAGCTTCCCTGGCCAGCAAGCTCCTCGGCC
AGCAACCTTCCCTGGCACAGCAAGCTGCCTGGCACAGCAAGCTTCCCTGGCACAGCAAGCTTCCCTGGC
ACAGCAAGCTTCCCTGGCACAGAAACATCATCCAAGACTGAGCCAGGCTACTATCCAAATATGGAACAA
CCTTACAGGATGAATGCATACAGCCAAGTTCAGATGAGACATCCTATGAGTGTAGTGATCAGGCCAGT
TCTCTGTTGAGTCTTCCACAACCTCTCCAATATGGCGCCTATCCCCTTGGCTTTACTTTCCACAAGA
CATGCAGTACCTTACCCCTGAAGCTGTTCTTAACACCTTCAAGCCATTGCCCAAGGATGCTGAAAAC
ACCAATGTGTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202292 representing NM_138874
 Red=Cloning site Green=Tags(s)

MKLLILTCLVAAALALPRAHRRNAVSSQTQQENSSEEQEIVKQPKYLSLNEEFVNNLNQRRELLTEQDN
 EIKITMDSAAEQATASAEQEDSSSSSSSEESKDAIPSAEQKNIANKEILNRCTLEQLRQIKYSLLQ
 QASLAQQASLAQQASLAQQALLAQPSLAQQAALAQQASLAQQASLAQQASLAQKHHPRLSQVYYPNMEQ
 PYRMNAYSQVQMRHPMSVVDQAQF SVQSF PQLSQYGAYPLWL YFPQDMQYL TPEAVLNTFKPIAPKDAEN
 TNVW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_138874

ORF Size: 852 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_138874.2](#), [NP_620229.2](#)

RefSeq Size: 1349 bp

RefSeq ORF: 855 bp

Locus ID: 24284

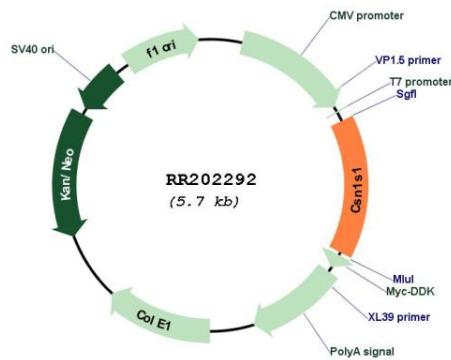
UniProt ID: [P02661](#)

Cytogenetics: 14p21

MW: 31.8 kDa

Gene Summary: milk phosphoprotein; expression is regulated by steroid and peptide hormones [RGD, Feb 2006]

Product images:



Circular map for RR202292