

## Product datasheet for **MR229064**

### **Csn1s1 (NM\_001286016) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Csn1s1 (NM_001286016) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Csn1s1
Synonyms:	AA959832; AW212882; Cсна
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229064 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAACTCCTCATCCTCACCTGCCTCGTGGCTGCTGCTTTTGCTATGCCAGACTTCATAGTAGAAATG  
CAGTTAGCAGTCAAACCTCAGCAACAGCATAGCAGCAGTGAGGAAATTTTTAAACAACCAAAGTATCTCAA  
CCTAAATCAGGAATTCGTCAACAACATGAACAGACAGAGAGCACTTCTGACAGAACAGAACGATGAAATC  
AAGGTAACATGGATGCAGCATCTGAGGAACAAGCAATGGCAAGTCTCAGGAAGACTCTTCAATCAGCT  
CATCAAGTGAGGAATCTGAGGAAGCTATCCCAATATCACTGAGCAGAAAAACATTGCAAAATGAAGACAT  
GCTCAACCAAGTGCACCCTGGAACAGCTTCAGAGACAGTTTAAGTACAACCAACTTCTCCAGAAAGCTTCC  
CTGGCTAAGCAAGCTTCCCTGTTTCAGCAACCTTCCCTGGTACAGCAAGCTTCCCTGTTTCAGCAACCTT  
CCCTGTTTCAGCAAGCTTCCCTGTTTCAGCAACCTTCCATGGCTCAGCAAGCTTCCCTGTTTCAGCAACCT  
TCTCCTGGCCAGCAACCTTCCCTGGCACTGCAAGTTTCCCAGCACAGCAATCTTCCCTGGTACAGCAA  
GCTTTCCTGGCACAGCAAGCTTCCCTGGCACAGAAACATCATCAAGACTGAGCCAGTCTACTATCCAC  
ATATGGAACAGCCTTACAGAATGAATGCATACAGCAAGTTCAAATGAGACATCCTATGAGTGTAGTGGA  
TCAGGCACTGGCCAGTTCTCTGTTTCAGGATATGCAGTACCTTACTCCCAAAGCTGTCTTAAACACCTTC  
AAGCCATTGTCTCCAAGGATACTGAAAAACCAATGTGTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229064 protein sequence  
 Red=Cloning site Green=Tags(s)

MKLLILTCLVAAAFAMPRLHSRNAVSSQTQQQHSSEEIFKQPKYLNLNQEFVNNMNRQRALLTEQNDEI  
 KVTMDAASEEQAMASAQEDSSISSSEESEEAI PNITEQKNIANEDMLNQCTLEQLQRQFKYNQLLQKAS  
 LAKQASLFQQPSLVQQASLFQQPSLLQQASLFQQPSMAQQASLLQQLLLAQQPSLALQVSPAQQSSSLVQQ  
 AFLAQASLAQKHHPRLSQSYYPHMEQPYRMNAYSQVQMRHPMSVVDQALAQFSVQDMQYLTPKAVLNTF  
 KPIVSKDTEKTNVW

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\_001286016

**ORF Size:** 885 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\\_001286016.1](#), [NP\\_001272945.1](#)

**RefSeq Size:** 1409 bp

**RefSeq ORF:** 885 bp

**Locus ID:** 12990

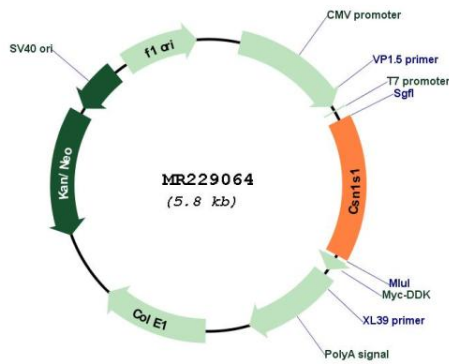
**UniProt ID:** [P19228](#)

**Cytogenetics:** 5 43.56 cM

**MW:** 33.2 kDa

**Gene Summary:** Important role in the capacity of milk to transport calcium phosphate.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR229064