

Product datasheet for **MR204464**

Csn1s1 (NM_007784) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csn1s1 (NM_007784) 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:	>MR204464 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAACTCCTCATCCTCACCTGCCTCGTGGCTGCTGCTTTTGCTATGCCAGACTTCATAGTAGAAATG
CAGTTAGCAGTCAAACCTCAGCAACAGCATAGCAGCAGTGAGGAAATTTTTAAACAACCAAAGTATCTCAA
CCTAAATCAGGAATTCGTCAACAACATGAACAGACAGAGAGCACTTCTGACAGAACAGAACGATGAAATC
AAGGTAATATGGATGCAGCATCTGAGGAACAAGCAATGGCAAGTCTCAGGAAGACTCTTCAATCAGCT
CATCAAGTGAGGAATCTGAGGAAGCTATCCCAATATCACTGAGCAGAAAAACATTGCAAAATGAAGACAT
GCTCAACCAAGTGCACCCTGGAACAGCTTCAGAGACAGTTTAAGTACAACCAACTTCTCCAGAAAGCTTCC
CTGGCTAAGCAAGCTTCCCTGTTTCAGCAACCTTCCCTGGTACAGCAAGCTTCCCTGTTTCAGCAACCTT
CCCTGTTTCAGCAAGCTTCCCTGTTTCAGCAACCTTCCATGGCTCAGCAAGCTTCCCTGTTTCAGCAACCT
TCTCCTGGCCAGCAACCTTCCCTGGCACTGCAAGTTTCCCAGCACAGCAATCTTCCCTGGTACAGCAA
GCTTTCCTGGCACAGCAAGCTTCCCTGGCACAGAAACATCATCCAAGACTGAGCCAGTCTACTATCCAC
ATATGGAACAGCCTTACAGAATGAATGCATACAGCCAAGTTCAAATGAGACATCCTATGAGTGTAGTGGA
TCAGGCACTGGCCAGTTCTCTGTTTCAGCCCTTCCCACAAATCTTCCAGTATGATGCCTTCCCCTTTGG
GCTTACTTTCCACAGGATATGCAGTACCTTACTCCAAAGCTGTCTTAAACACCTTCAAGCCATTGTCT
CCAAGGATACTGAAAAACCAATGTGTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204464 protein sequence
Red=Cloning site Green=Tags(s)

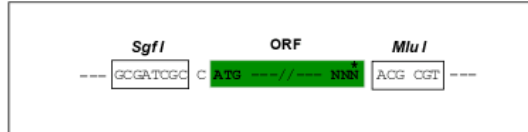
MKLLILTCLVAAAFAMPRLHSRNAVSSQTQQQHSSEEIFKQPKYLNLNQEFVNNMNRQRALLTEQNDEI
 KVTMDAASEEQAMASAQEDSSISSSSEEEAIPNITEQKNIANEDMLNQCTLEQLQRQFKYNQLLQKAS
 LAKQASLFQQPSLVQQASLFQQPSLLQQASLFQQPSMAQQASLLQQLLAAQQPSLALQVSPAQQSSLVQQ
 AFLAQASLAQKHHPRLSQSYYPHMEQPYRMNAYSQVQMRHPMSVVDQALAQFSVQPFQIFQYDAFPLW
 AYFPQDMQYLTPKAVLNTFKPIVSKDTEKTNVW

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_007784

ORF Size: 942 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_007784.3](#)

RefSeq Size: 1466 bp

RefSeq ORF: 942 bp

Locus ID: 12990

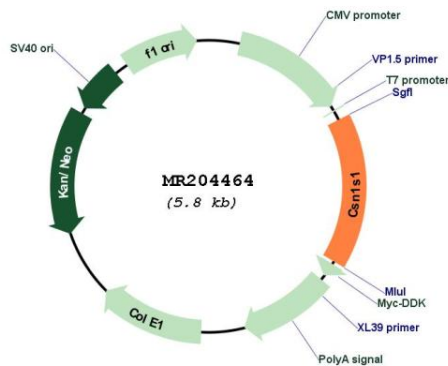
UniProt ID: [P19228](#)

Cytogenetics: 5 43.56 cM

MW: 35.6 kDa

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

Product images:



Circular map for MR204464