

## Product datasheet for MR229130

### Csn1s1 (NM\_001286015) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Csn1s1 (NM\_001286015) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Csn1s1  
**Synonyms:** AA959832; AW212882; Csna  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR229130 representing NM\_001286015  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGAAACTCCTCATCCTCACCTGCCTCGTGGCTGCTGCTTTTGTATGCCAGACTTCATAGTAGAAATG  
 CAGTTAGCAGTCAAACCTCAGCAACAGCATAGCAGCAGTGAGGAAATTTTTAAACAACCAAAGTATCTCAA  
 CCTAAATCAGGAATTCGTCACAACATGAACAGACAGAGAGCACTTCTGACAGAACAGAAGATGAAATC  
 AAGGAACAAGCAATGGCAAGTGCTCAGGAAGACTTTCATCAGCTCATCAAGTGAGGAATCTGAGGAAG  
 CTATTCCTCAATATCACTGAGCAGAAAAACATTGCAAAATGAAGACATGCTCAACCAAGTGCACCTGGAACA  
 GCTTCAGAGACAGTTAAGTACAACCAACTTCTCCAGAAAGCTTCCCTGGCTAAGCAAGCTTCCCTGTTT  
 CAGCAACCTTCCCTGGTACAGCAAGCTTCCCTGTTTCAGCAACCTTCCCTGCTTCAGCAAGCTTCCCTGT  
 TTCAGCAACCTTCCATGGCTCAGCAAGCTTCCCTGCTACAGCAACTTCTCCTGGCCAGCAACCTTCCCT  
 GGCCTGCAAGTTTCCCAAGCAGCAATCTTCCCTGGTACAGCAAGCTTCCCTGGCACAGCAAGCTTCC  
 CTGGCACAGAAACATCATCAAGACTGAGCCAGTCTACTATCCACATATGGAACAGCCTTACAGAAATGA  
 ATGCATACAGCCAAGTTCAAATGAGACATCCTATGAGTGTAGTGGATCAGGCAGTGGCCAGTTCCTGTG  
 TCAGCCCTTCCCAAAATCTTCCAGTATGATGCCTTCCCTTTGGGCTTACTTTCCACAGGATATGCAG  
 TACCTTACTCCCAAGCTGTCCTTAACACCTTCAAGCCATTGTCTCAAGGATACTGAAAAACCAATG  
 TGTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229130 representing NM\_001286015  
 Red=Cloning site Green=Tags(s)

MKLLILTCLVAAAFAMPRLHSRNAVSSQTQQQHSSEEIFKQPKYLNLNQEFVNNMNRQRALLTEQNDEI  
 KEQAMASAQEDSSISSSSSEEEAIPNI TEQKNIANEDMLNQCTLEQLRQFKYNQLLQKASLAKQASLF  
 QQPSLVQQASLFQQPSLLQQASLFQQPSMAQQASLLQQLLLAQQPSLALQVSPAQQSSLVQQAFLAQQAS  
 LAQKHHPRLSQSYYPHMEQPYRMNAYSQVQMRHPMSVVDQALAQFSVQPFQIFQYDAFPLWAYFPQDMQ  
 YLTPKAVLNTFKPIVSKDTEKTNVW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

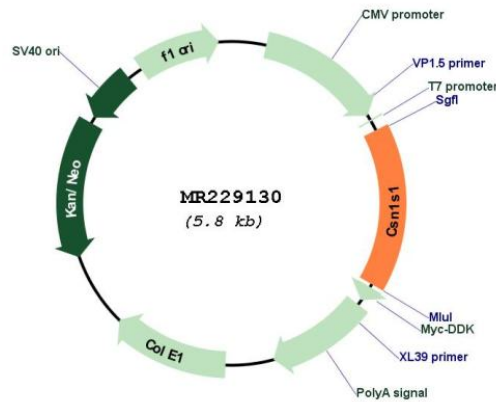
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001286015

**ORF Size:** 915 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001286015.1</a> , <a href="#">NP_001272944.1</a>
<b>RefSeq Size:</b>	1442 bp
<b>RefSeq ORF:</b>	918 bp
<b>Locus ID:</b>	12990
<b>UniProt ID:</b>	<a href="#">P19228</a>
<b>Cytogenetics:</b>	5 43.56 cM
<b>MW:</b>	35.2 kDa
<b>Gene Summary:</b>	Important role in the capacity of milk to transport calcium phosphate.[UniProtKB/Swiss-Prot Function]