

Product datasheet for **MR228642**

Csn2 (NM_001286021) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Csn2 (NM_001286021) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Csn2
Synonyms: Csnb
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228642 representing NM_001286021
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGGTCTTCATCCTCGCCTGCCTTGTGGCCCTTGCTCTTGCAAGAGAGACTACATTTACTGTATCCT
CTGAGACTGATAGTATTTCCAGTGAGGAATCTGTTGAACATATCAATGAGAACTTCAGAAGGTGAATCT
CATGGGACAGCTGCAGGCAGAGGATGTGCTCCAGGCTAAAGTTCCTCCAGCATCCAGTCACAGCCCAG
GCCTTTCCATATGCTCAGGCTCAAACCATCTCTTGCAATCCCGTCCACAAAACATCCAGCCTATTGCTC
AACCCCTGTGGTGCCATCTCTTGGGCCTGTCATTTCTCCTGAACTGGAATCCTTCTTAAAGCTAAAGC
CACCATCCTTCCAAGCAGCAACAGATGCCCTCCTTAACTCTGAACTGTGCTCCGCCTCATAAATCT
CAAATCCCAGCCTTGCCAGTCTTGCTAATCTGCACCTTCCTCAGTCTCTGGTCCAGCTCCTGGCACAGG
TTGTTCCAGGCTTTTCTCAGACTCACCTGGTTTCTTCTCAGACCCAGCTGTCTTCTCAGTCCAAAGT
TCTGTACTTTCTGCAGCAAGTAGCACCTTCCTCCACAAGATATGTCTGTCCAAGACCTTCTGCAGTAC
CTAGAATTCTTAACCCACCGTCAATTCCCTGCCACTCCACAACATTCCGTTTCTGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228642 representing NM_001286021
 Red=Cloning site Green=Tags(s)

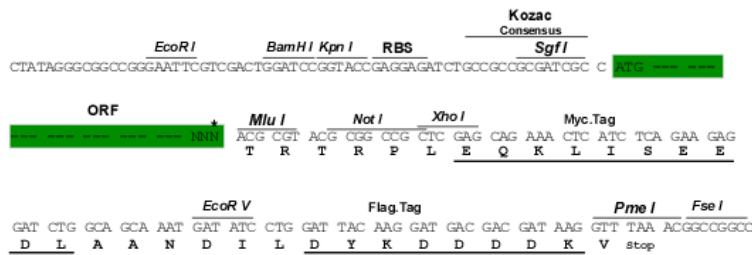
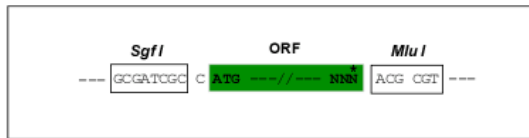
MKVFILACLVALALARETTFTVSSETDISSEESVEHINEKLQKVNLMGQLQAEDVLQAKVHSSIQSQPQ
 AFPYAQAQTISCNPVQNIQPIAQPVPVPSLGPVISPELESFLKAKATILPKHKQMPLLNSETVLRRLINS
 QIPSLASLANLHLPQSLVQLLAQVVQAFPPQTHLVSSQTQLSLPQSKVLVFLQQVAPFLPQDMSVQDLLQY
 LELLNPTVQFPATPQHSVSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

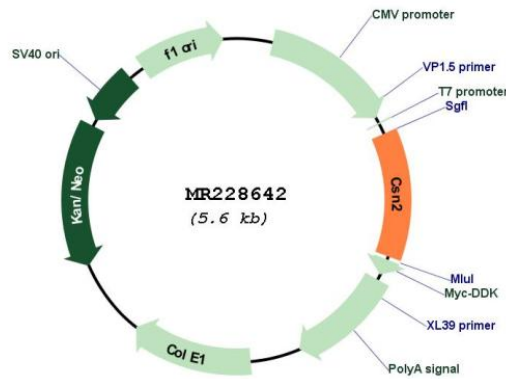
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001286021

ORF Size: 690 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:	<ol style="list-style-type: none">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_001286021.1 , NP_001272950.1
RefSeq Size:	1141 bp
RefSeq ORF:	693 bp
Locus ID:	12991
UniProt ID:	P10598
Cytogenetics:	5 43.56 cM
MW:	25.7 kDa
Gene Summary:	Important role in determination of the surface properties of the casein micelles. [UniProtKB/Swiss-Prot Function]