

Product datasheet for **MR228065**

Csn1s2b (NM_001301334) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Csn1s2b (NM_001301334) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Csn1s2b
Synonyms: AW987150; Cs; Csnd; Csne
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228065 representing NM_001301334
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGTTCATCATTCTTACTTGCCTTTGGCCGTTGCTCTTGCAAAGCAGAGGATGGAGCAATACATCT
CCAGTGAGGAGTCCATGGATAACTCTCAAGAAAACCTTAAAGCAGAATATGGATGTGGCCTTTTTTCCAG
TCAGGAACTGTAGAGAACATTTACATTCCCCAAATGGAATCTGTTGAAGCTCCCATGAAGGTATCTGAC
ATCATTCTCAGCAACAATACAACCAGAAAATGATGGACATGAGTAAAAGTGTGATGACTGAAGAAAGTA
AGAACATCCAAGACTACATGAACAAAATGAAACGATACAGCAAGATCACCTGGCCACAGTTTGTAAGCT
TCTCCATCAATACCAGAAAACCATGACCCCGTGGAGCTATTACCCATCTACCCCAAGCCAGGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228065 representing NM_001301334
Red=Cloning site Green=Tags(s)

MKFIILTCLLAVALAKQRMEQYISSEESMDNSQENFKQNMDVAFFPSQETVENIYIPQMESVEAPMKVSD
IISQQYNQKMMDSKTVMTESKNIQDYMNKMKRYSKITWPQFVKLLHQYQKMTMPWSYYPSTPSQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

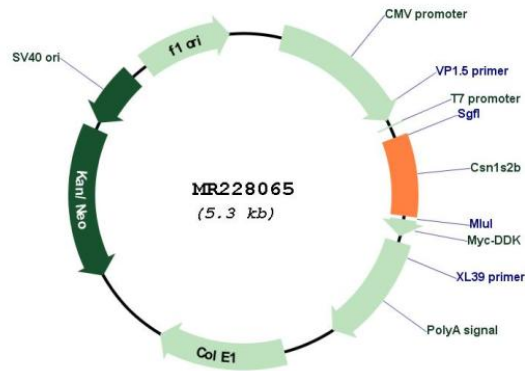


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001301334

ORF Size: 414 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_001301334.1 , NP_001288263.1
RefSeq Size:	751 bp
RefSeq ORF:	417 bp
Locus ID:	12992
UniProt ID:	P02664
Cytogenetics:	5 43.56 cM
MW:	16.8 kDa
Gene Summary:	This gene is a member of the alpha-s2-like casein gene family, and this gene product is a calcium-sensitive casein. Members of this gene family are organized as a gene cluster that is conserved in its order, but with greater conservation amongst orthologs than paralogs. The protein encoded by this gene interacts with other casein proteins to form a micelle structure, and is a major source of protein in milk. This structure is important for the transport of calcium, phosphate, and protein. Alternative splicing results in multiple transcript variants encoding different protein isoforms. [provided by RefSeq, Aug 2014]