

Product datasheet for MR200935

Csn1s2b (NM_009973) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Csn1s2b (NM_009973) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Csn1s2b
Synonyms: AW987150; Cs; Csnd; Csne
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200935 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGTTCATCATTCTTACTTGCCCTTTTGCCGTTGCTCTTGCAAAGCAGAGGATGGAGCAATACATCT
 CCAGTGAGGAGTCCATGGATAACTCTCAAGAAACTTTAAGCAGAATATGGATGTGGCCTTTTTCCAG
 TCAGGAACTGTAGAGAACATTTACATCCCCAAATGGAATCTGTTGAAGCTCCCATGAAGGTATCTGAC
 ATCATTCTCAGCAACAATACAACCAGAAAATGATGGACATGAGTGTGAGTGCCAGAGAGAAAAGTGA
 TGACTGAAGAAAGTAAGAACATCCAAGACTACATGAACAAAATGAAACGATACAGCAAGATCACCTGGCC
 ACAGTTTGTAAGCTTCTCCATCAATACCAGAAAACCATGACCCCGTGGAGCTATTACCCATCTACCCCC
 AGCCAGGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200935 protein sequence
 Red=Cloning site Green=Tags(s)

MKFIILTCLLAVALAKQRMEQYISSEESMDNSQENFKQNMDVAFFPSQETVENIYIPQMESVEAPMKVSD
 IISQQYQNMMDMSVSAREKTVMTESKNIQDYMNKMKRYSKITWPQFVKLLHQYQKTMTPWSYYPSTP
 SQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:



ACCN: NM_009973

ORF Size: 429 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_009973.3](#)

RefSeq Size: 766 bp

RefSeq ORF: 432 bp

Locus ID: 12992

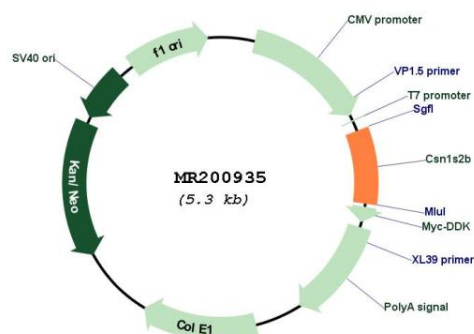
UniProt ID: [P02664](#)

Cytogenetics: 5 43.56 cM

MW: 16.9 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]

Product images:



Circular map for MR200935