

Product datasheet for MC225819

Csn1s2b (NM_001301335) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csn1s2b (NM_001301335) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Csn1s2b
Synonyms:	AW987150; Cs; Csnd; Csne
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225819 representing NM_001301335 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGTTCATCATTCTTACTTGCCCTTTGGCCGTTGCTCTTGCAAAGCAGAGGATGGAGCAATACATCT
CCAGTGAGGAGTCCATGGATAACTCTCAAGAAACTTTAAGCAGAATATGGATGTGGCCTTTTTCCAG
TCAGGAATCTGTTGAAGCTCCCATGAAGGTATCTGACATCATTTCTCAGCAACAATACAACCAGAAATG
ATGGACATGAGTGTGAGTGCCAGAGAGAAAAGTGTGATGACTGAAGAAAGTAAGAACATCCAAGACTACA
TGAACAAAATGAAACGATACAGCAAGATCACCTGGCCACAGTTTGTAAAGCTTCTCCATCAATACCAGAA
AACCATGACCCCGTGGAGCTATTACCCATCTACCCCGAGCCAGGTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001301335
Insert Size:	399 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).


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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001301335.1</u> , <u>NP_001288264.1</u>
RefSeq Size:	733 bp
RefSeq ORF:	399 bp
Locus ID:	12992
UniProt ID:	<u>P02664</u>
Cytogenetics:	5 43.56 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) lacks an in-frame exon, compared to variant 1. It encodes isoform 3 which is shorter than isoform 1.</p>