

Product datasheet for MC208346

Csnk2b (NM_009975) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Csnk2b (NM_009975) Mouse Untagged Clone
Tag: Tag Free
Symbol: Csnk2b
Synonyms: CK II beta
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208346 representing NM_009975
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTAGCTCTGAGGAGGTGCCTGGATTTCTGGTTCTGTGGGCTCCGTGGTAATGAATTCTTCTGTG
 AGGTGGATGAAGACTACATCCAGGACAAATTTAATCTTACTGGACTCAATGAGCAGGTGCCTCACTATCG
 ACAAGCTCTGGACATGATCTTAGACCTGGAACCTGATGAAGAGCTGGAAGACAACCCCAACCGAGCGAC
 TTGATCGAACAGGCAGCTGAGATGCTTTATGGGTTGATCCACGCCGCTACATCCTCACCAACCGAGGCA
 TCGCACAATGTTGAAAAGTACCAGCAGGGAGACTTTGGCTACTGTCCTCGTGTATACTGTGAGAACCA
 GCCAATGCTTCCTATCGGCCTTTCAGACATCCCAGGCGAGGCCATGGTAAACTCTACTGCCCAAGTGC
 ATGGACGTGTACACCCAAGTCTCCAGACACCACCACGGACGGCGCATACTTCGGCACTGGTTTCC
 CTCACATGCTCTTCATGGTGCATCCAGAGTACCGGCCAAGCGACCTGCCAACCAGTTTGTACCCAGGCT
 CTATGGTTTCAAGATCCATCCAATGGCTTACCAGCTGCAGCTCCAAGCCGCCAGCAACTCAAGAGCCCA
 GTCAAGACTATTCG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_009975
Insert Size: 648 bp



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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).
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_009975.3 , NP_034105.1
RefSeq Size:	970 bp
RefSeq ORF:	648 bp
Locus ID:	13001
UniProt ID:	P67871
Cytogenetics:	17 18.59 cM
Gene Summary:	<p>This gene encodes the beta subunit of the casein kinase 2 enzyme, which is a heterotetramer comprised of alpha and/or alpha-prime catalytic subunits and two regulatory beta subunits. Casein kinase 2 is involved in the regulation of several cellular processes including gene expression, protein synthesis and cell proliferation. Knockout of this gene in mice leads to embryonic lethality. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2015]</p> <p>Transcript Variant: This variant (2) contains an alternate 5' terminal exon and uses a downstream start codon compared to variant 1. It encodes isoform 2 which has a shorter N-terminus compared to isoform 1. Variants 2 and 3 encode the same isoform (2). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>