

Product datasheet for **SC108248**

Casein Kinase 2 beta (CSNK2B) (NM_001320) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Casein Kinase 2 beta (CSNK2B) (NM_001320) Human Untagged Clone
Tag:	Tag Free
Symbol:	Casein Kinase 2 beta
Synonyms:	CK2B; CK2N; Ckb1; Ckb2; CSK2B; G5A; POBINDS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001320 edited
 CCCCCACCCACTTCGCCTGCCGCGTCCGGTCCGCGGCCTGCCGTGTAGCGGTCCGCCG
 CGTTCCTGGAAGTAGCAACTTCCCTACCCACCCAGTCTGGTCCCCGTCCAGCCGCT
 GACGTGAAGATGAGCAGCTCAGAGGAGGTTCCTGGATTTCCTGGTTCTGTGGGCTCCGT
 GGCAATGAATTCTTCTGTGAAGTGGATGAAGACTACATCCAGGACAAATTAATCTTACT
 GGACTCAATGAGCAGGTCCCTCACTATCGACAAGCTCTAGACATGATCTTGGACCTGGAG
 CCTGATGAAGAACTGGAAGACAACCCCAACCAGAGTGACCTGATTGAGCAGGCAGCCGAG
 ATGCTTTATGGATTGATCCACGCCGCTACATCCTTACCAACCGTGGCATCGCCAGATG
 TTGAAAAGTACCAGCAAGGAGACTTTGGTTACTGTCTCGTGTGTACTGTGAGAACCAG
 CCAATGCTTCCCATTGGCCTTTCAGACATCCCAGGTGAAGCCATGGTGAAGCTCTACTGC
 CCCAAGTGCATGGATGTGTACACACCCAAGTCATCAAGACACCATCACACGGATGGCGCC
 TACTTCGGCACTGGTTTCCCTCACATGCTTTCATGGTGCATCCCGAGTACCGGCCAAAG
 AGACCTGCCAACCAAGTTTGTGCCAGGCTCTACGGTTTCAAGATCCATCCGATGGCTAC
 CAGCTGCAGCTCCAAGCCGCCAGCAACTTCAAGAGCCCAGTCAAGACGATTTCGCTGATTC
 CCTCCCCACCTGTCTGCAGTCTTTGACTTTTCTTTTGTCCACCCTTTCAGGA
 ACCCTGTATGGTTTTAGTTTAAATTAAGGAGTCGTTATCGTGGTGGGAATATGAAATA
 AAGTAGAAGAAAAGGCCAAAAAAAAAAAAAAAAAAAAA



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001320 unedited</p> <pre>GCAACCCAGACTTTACTATAGGGCCGGCCCGCTAATTCGGCACGAGGGCCCCACCCCA CTTCGCTGCCCGGGTCGGGTCCGCGGCCTGCGCTGTAGCGGTGCGCCGCGTTCCCTGGA AGTAGCAACTTCCTACCCACCCAGTCTGGTCCCCGTCCAGCCGCTGACGTGAAGAT GAGCAGCTCAGAGGAGGTGTCTGGATTTCCTGGTTCTGTGGGCTCCGTGGCAATGAATT CTTCTGTGAAGTGGATGAAGACTACATCCAGGACAAATTAATCTTACTGGACTCAATGA GCAGTCCCTCACTATCGACAAGCTCTAGACATGATCTTGACCTGGAGCCTGAGCCTGATGAAGA ACTGGAAGACAACCCCAACCAGAGTGACCTGATTGAGCAGGCAGCCGAGATGCTTTATGG ATTGATCCACGCCGCTACATCCTTACCAACCGTGGCATCGCCAGATGTTGAAAAGTA CCAGCAAGGAGACTTTGGTTACTGTCCTCGTGTACTGTGAGAACCAGCCAATGCTTCC CATTGGCCTTTCAGACATCCAGGTGAAGCCATGGTGAAGCTCTACTGCCCAAGTGCAT GGATGTGTACACACCCAGTCATCAAGACACCATCACACGGATGCCGCCTACTTCGGCAC TGGTTTTCCCTCACATGCTTTCATGGTGCATCCCGAGTACCGGCCAAGAGACCTGCCA CCCAGTTGTGCCAGCTCTACGGTTTTAAGAACCATTGATGGCTACCAGCTGCAGCT TCAAGCCCGCAGACACTTAAGAGCCAGTACAGACGATTGCTTATCCCTCCCCACCT GGCCTGCAGACCTTTGACCTTTCCCTTTCTTTCTTCCACCCCTTCAGGACCCCTGCAGG GGTTAAAGTAA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001320 unedited</p> <pre>GGGGGCCAAGNNNGTACCATTTTNNNCNNNGGTCGTGGNACCCGGACCCGATTTTAN GATCGNATTTTTTTTTTTTTTTTTTGGCCTTTTCTTACTTTATTCATATTCACCAC GATAACGACTCCTTAATTTAACTAAAAACCATACAGGGTTCCTTGAAGGGTGGCAAA AAAGAAAGGAAAAGTCAAAGACTGCAGGACAGGTGGGGGAGGGAATCAGCGAATCGTCTT GACTGGGCTCTTGAAGTTGCTGGCGGCTTGAGCTGCAGCTGGTAGGCCATCGGATGGAT CTTGAAACCGTAGAGCCTGGGCACAAACTGGTTGGCAGGTCTCTTGGGCCGTAATCGGG ATGCACCATGAAGAGCATGTGAGGGAAACCAGTCCGAAGTAGGCGCCATCCGTGTGATG GTGCTTTGATGACTTGGGTGTGTACACATCCATGCACTTGGGGCAGTAGAGCTTCCCAT GGCTTACCTGNGATGTCTGAAAGGCCAATGGGAAGCATTGGCTGGTTCTCACAGTACAC ACGAGGACAGTAACCAAAGTCTCCTTGTGGTACTTTTCCAACATCTGGGCGATGCCACG GTTGGTAAGGATGTANCGGGCGTGGATCAATCCATAAAGCATCTCGGCTGCCTGCTCAAT CAGTCACTCTGGGTTGGGNTGTCTTTCCAGTTTTTTCATCAGGCTCCAGTCCAAGATC ATGTCTAGAGCTTGTGATAGTGAGGACCTGCTCATTGAGTCCAGTAAGAATAAAATTTGC CCTGGAGGAAGCCTCATCCACTTACAGAAGAAATCCATTGCCCGGACCCACCGGACCCN GAATCCAGAACCCTCTTTGACCTGGTATTTTACGTTAAGGTTGGACGGGAACAGGACTGG GTGGGGTAGGGAAATGTACTCCAGGAAAGGGGGAAACCGTAAAGGAAGGCCCGGACCCA ACCCGGAAGCAAAGGGGGGGGCTTTGCCCAATTGGGGCCCCCTTATGAAACT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001320
Insert Size:	980 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).
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_001320.5 , NP_001311.3
RefSeq Size:	1128 bp
RefSeq ORF:	648 bp
Locus ID:	1460
UniProt ID:	P67870
Cytogenetics:	6p21.33
Domains:	CK_II_beta
Protein Families:	Druggable Genome
Protein Pathways:	Adherens junction, Tight junction, Wnt signaling pathway
Gene Summary:	<p>This gene encodes the beta subunit of casein kinase II, a ubiquitous protein kinase which regulates metabolic pathways, signal transduction, transcription, translation, and replication. The enzyme is composed of three subunits, alpha, alpha prime and beta, which form a tetrameric holoenzyme. The alpha and alpha prime subunits are catalytic, while the beta subunit serves regulatory functions. The enzyme localizes to the endoplasmic reticulum and the Golgi apparatus. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>