

Product datasheet for **SC306738**

CaMKK (CAMKK1) (NM_172206) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CaMKK (CAMKK1) (NM_172206) Human Untagged Clone
Tag:	Tag Free
Symbol:	CaMKK
Synonyms:	CAMKKA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC306738 representing NM_172206.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGGGGTCCAGCTGTCTGCTGCCAGGATCCTCGGGCAGAGCTGGTAGAACGGGTGGCAGCCATC
GATGTGACTCACTTGGAGGAGGAGATGGTGGCCAGAGCCTACTAGAAACGGTGTGGACCCCCACCA
CGGGCCAGAGCTGCCTCTGTGATCCCTGGCAGTACTTCAAGACTGCTCCAGCCCGCCTAGCCTCTCA
GCCAGGAAGCTTTCCCTACAGGAGCGGCCAGCAGGAAGCTATCTGGAGGCGCAGGCTGGGCCTTATGCC
ACGGGGCCTGCCAGCCACATCTCCCCCGGGCCTGGCGGAGGCCACCATCGAGTCCCACCACGTGGCC
ATCTCAGATGCAGAGGACTGCGTGCAGCTGAACCAAGTACAAGCTGCAGAGTGAGATTGGCAAGGGTGCC
TACGGTGTGGTGAAGCTGGCCTACAACGAAAGTGAAGACAGACTATGCAATGAAAGTCTTTCCAAA
AAGAAGTACTGAAGCAGTATGGCTTTCCACGTCGCCCTCCCCGAGAGGGTCCCAGGCTGCCAGGGA
GGACCAGCCAAGCAGCTGCTGCCCTGGAGCGGGTGTACCAGGAGATTGCCATCCTGAAGAAGCTGGAC
CACGTGAATGTGGTCAAAGTATCGAGGTCCTGGATGACCCAGCTGAGGACAACCTCTATTTGGTGTTC
GACCTCCTGAGAAAGGGGCCGTCATGGAAGTGCCTGTGACAAGCCCTTCTCGGAGGAGCAAGCTCGC
CTCTACCTGCGGGACGTATCCTGGGCCTCGAGTACTTGCAGTCCAGAAAGATCGTCCACAGGGACATC
AAGCCATCCAACCTGCTCCTGGGGGATGATGGGCACGTGAAGATCGCCGACTTTGGCGTCAGCAACCAG
TTTGAGGGGAACGACGCTCAGCTGTCCAGCACGGCGGGAACCCAGCATTGATGGCCCCGAGGCCATT
TCTGATTCGGCCAGAGCTTCAAGTGGGAAGGCCTGGATGTATGGGCCACTGGCGTCACGTTGTACTGC
TTTGTCTATGGGAAGTGGCCATTCATCGACGATTCATCCTGGCCCTCCACAGGAAGATCAAGAATGAG
CCCGTGGTGTTCCTGAGGAGCCAGAAAATCAGCGAGGAGCTCAAGGACCTGATCCTGAAGATGTTAGAC
AAGAATCCCGAGACGAGAATTGGGGTGGCAGACATCAAGTTGCACCCTTGGGTGACCAAGAACGGGGAG
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GTCAGGCTCATCCCCAGCTGGACCACGGTATCCTGGTGAAGTCCATGCTGAGGAAGCGTTCCTTTGGG
AACCCGTTTGAGCCCAAGCACGGAGGGAAGAGCGATCCATGTCTGCTCCAGGAAACCTACTGGTAAA
GAAGGGTTTGGTGAAGGGGGCAAGAGCCAGAGCTCCCCGGCGTCCAGGAAGACGAGGCTGCATCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_172206

Insert Size: 1518 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_172206.1</u>
RefSeq Size:	3529 bp
RefSeq ORF:	1518 bp
Locus ID:	84254
UniProt ID:	<u>Q8N5S9</u>
Cytogenetics:	17p13.2
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Adipocytokine signaling pathway
MW:	55.7 kDa
Gene Summary:	<p>The product of this gene belongs to the Serine/Threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. This protein plays a role in the calcium/calmodulin-dependent (CaM) kinase cascade. Three transcript variants encoding two distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and includes a novel 5' coding region compared to variant 1. The encoded isoform (c) has a longer N-terminus than isoform a.</p>