

Product datasheet for **SC324597**

Creatine kinase M type (CKM) (NM_001824) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Creatine kinase M type (CKM) (NM_001824) Human Untagged Clone
Tag:	Tag Free
Symbol:	Creatine kinase M type
Synonyms:	CKMM; CPK-M; M-CK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_001824.2
 GGGTCAGTGTACCTCCAGGATACAGACAGCCCCCTTCAGCCCAGCCCAGCCAGGTCTC
 CTACACCGCCACCATGCCATTCCGGTAACACCCACAACAAGTTCAAGCTGAATTACAAGCC
 TGAGGAGGAGTACCCCGACCTCAGCAAACATAACAACCACATGGCCAAGTACTGACCCT
 TGAAGTCTACAAGAAGCTGCGGGACAAGGAGACTCCATCTGGCTTCACTGTAGACGATGT
 CATCCAGACAGGAGTGGACAACCCAGGTACCCCTTCATCATGACCGTGGGCTGCGTGCC
 TGGTGATGAGGAGTCTACGAAGTTTTCAAGGAAGTCTTTGACCCCATCATCTCGGATCG
 CCACGGGGGCTACAAACCCACTGACAAGCACAAGACTGACCTCAACCATGAAAACCTCAA
 GGGTGGAGACGACCTGGACCCCAACTACGTGCTCAGCAGCCGCTCCGCACTGGCCGCGAG
 CATCAAGGGCTACACGTTGCCCCACACTGCTCCCGTGGCGAGCGCCGGGCGGTGGAGAA
 GCTCTCTGTGGAAGCTCTCAACAGCCTGACGGGCGAGTTCAAAGGGAAAGTACTACCCTCT
 GAAGAGCATGACGGAGAAGGAGCAGCAGCTCATCGATGACCACTTCTGTTCGACAA
 GCCCGTGTCCCGCTGCTGCTGGCCTCAGGCATGGCCCGGACTGGCCCGACGCCGTGG
 CATCTGGACAATGACAACAAGAGCCTCCTGGTGTGGGTGAACGAGGAGGATCACCTCCG
 GGTTCATCTCCATGGAGAAGGGGGCAACATGAAGGAGTTTTCCGCCGCTTCTGCGTAGG
 GCTGCAGAAGATTGAGGAGATCTTTAAGAAAGCTGGCCACCCCTTCATGTGGAACAGCA
 CCTGGGCTACGTGCTCACCTGCCATCCAACCTGGGCACTGGGCTGCGTGAGGGCGTGCA
 TGTGAAGCTGGCGCACCTGAGCAAGCACCCCAAGTTTCGAGGAGATCCTCACCCGCTGCG
 TCTGCAGAAGAGGGGTACAGGTGGCGTGGACACAGCTGCCGTGGGCTCAGTATTTGACGT
 GTCCAACGCTGATCGGCTGGGCTCGTCCGAAGTAGAACAGGTGCAGCTGGTGGTGGATGG
 TGTGAAGCTCATGGTGGAAATGGAGAAGAAGTTGGAGAAAGGCCAGTCCATCGACGACAT
 GATCCCCGCCAGAAGTAGGCGCCTGCCACCTGCCACCGACTGCTGGAACCCAGCCAGT
 GGGAGGGCCTGGCCACCAGAGTCTGCTCCCTCACTCCTCGCCCGCCCTGTCCCAG
 AGTCCCACCTGGGGGCTCTCTCCACCCTTCTCAGAGTTCCAGTTTTCAACCAGAGTTCCAA
 CCAATGGGCTCCATCCTCTGGATTCTGGCCAATGAAATATCTCCCTGGCAGGGTCTCTT
 CTTTTCCAGAGCTCCACCCCAACCAGGAGCTCTAGTTAATGGAGAGCTCCAGCACACT
 CGGAGCTTGTGCTTTGTCTCCACGCAAAGCGATAAATAAAGCATTGGTGGCCTTAAAAA
 AA

Restriction Sites: Please inquire

ACCN: NM_001824

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:	NM_001824.2 , NP_001815.2
RefSeq Size:	1620 bp
RefSeq ORF:	1146 bp
Locus ID:	1158
UniProt ID:	P06732
Cytogenetics:	19q13.32
Domains:	ATP-gua_Ptrans
Protein Families:	Druggable Genome
Protein Pathways:	Arginine and proline metabolism, Metabolic pathways
Gene Summary:	The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis and is an important serum marker for myocardial infarction. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in striated muscle as well as in other tissues, and as a heterodimer with a similar brain isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. [provided by RefSeq, Jul 2008]