

Product datasheet for MC208286

Ckm (NM_007710) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ckm (NM_007710) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ckm
Synonyms:	Ckmm; CPK-M; M-CK; MCK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208286 representing NM_007710 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGTTCCGGCAACACCCACAACAAGTTCAAGCTGAACTACAAGCCTCAGGAGGAGTACCCAGACCTCA
GCAAGCACAACAATCACATGGCCAAGGTGCTGACCCTGACCTCTACAATAAGCTTCGCGATAAGGAGAC
ACCATCCGGCTTCACTCTGGACGATGTCATCCAGACTGGGGTGGACAACCCAGGTCACCCCTTCATCATG
ACGGTGGGCTGTGTGGCCGGCGATGAGGAGTCTACACGGTCTTCAAGGACCTGTTTGATCCCATCATCC
AGGACCCGATGGCGGCTACAAACCCACAGACAAGCATAAGACCGACCTCAACCACGAGAACCTCAAGGG
TGGAGACGACCTGGACCCAACTATGTGCTGAGCAGCCGGTGGCAGCTGGCCGACGATCAAGGGTTAC
ACTCTGCCTCCGCACTGCTCCCGTGGAGAGCGCGTGCAGTGGAGAAGCTGTCCGTGGAAGCTCTCAACA
GCCTGACGGGCGAGTTCAAGGGCAAGTACTACCCTCTGAAGAGCATGACGGAGCAGGAACAGCAGCAGCT
CATTGATGACCACTTCTGTTTGACAAGCCCGTGTACCTCTGCTGCTGGCCTCAGGATGGCCCGAGAC
TGGCCCGATGCCCGTGGCATCTGGCACAACGACAACAAAAGCTTCTTGTGTGGTGAACGAGGAGGACC
ACCTCCGCGTGATCTCCATGGAGAAGGGAGGCAATATGAAGGAGGTTTTCCGCGCTTCTGCGTGGGCT
GCAGAAGATTGAGGAGATCTTCAAGAAGGCTGGTCACCCCTTCATGTGGAACGAGCACCTGGGCTACGTG
CTCACCTGCCCTCCAACCTGGGCACCGGGCTGCGCGGAGGCGTGACGTAAGCTGGCGAACCTGAGCA
AGCACCCCAAGTTTGAGGAGATTCTCACTCGCCTTCGCTGCAGAAGCGCGGCACAGGTGGCGTGGACAC
GGCTGCGGTGGGCGCCGTGTTTCGACATCTCCAACGCCGATCGGCTGGGCTCATCCGAAGTCGAACAGGTG
CAGCTGGTGGTGGATGGCGTGAAGCTTATGGTGGAGATGGAGAAGAAGCTGGAAAAGGGCCAGTCCATCG
ACGACATGATCCCGCGCAGAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_007710
Insert Size:	1146 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:	<u>NM_007710.2</u> , <u>NP_031736.1</u>
RefSeq Size:	1415 bp
RefSeq ORF:	1146 bp
Locus ID:	12715
UniProt ID:	<u>P07310</u>
Cytogenetics:	7 9.67 cM
Gene Summary:	Reversibly catalyzes the transfer of phosphate between ATP and various phosphogens (e.g. creatine phosphate). Creatine kinase isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa.[UniProtKB/Swiss-Prot Function]