

Product datasheet for RN214283

Ckmt2 (NM_001127652) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ckmt2 (NM_001127652) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ckmt2
Synonyms:	MGC187999
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN214283 representing NM_001127652 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCAGTGCCTTCTCTAAGTTGCTAACTGGCCGAAATGCATCTCTGCTGTTTACGACACTGGGAACCA
GTGCCCTGACCACGGGTACCTGTTGAATAGGCAGAAGGTATCTGCTGATGCCCGGGAACAGCACAAGCT
CTTTCCCAAGTGCAGACTATCCTGACCTTCGAAAACATAACAACCTGCATGGCCGAGTGCCTCACCCCA
ACCATCTATGCCAACTCCGAAACAAGATGACACCCAGTGGCTATACCCTGGACCAGTGCATCCAACCC
GAGTGGACAACCCCGCCACCCCTTCATTAAGACTGTGGGCATGGTGGCTGGTGACGAGGAGTCTGATGA
GGTGTGTTGCTGACCTTTTATGATCCTGTCATCAAGTTAAGGCACAATGGCTATGACCCTAGGGTATGAAG
CATCCTACTGACCTGGATGCATCCAAGTCACTCACGGGCAGTTTATGAAACGCTATGTGTTGTCCTCTC
GGGTACGCACTGGCCGAGCATCCGCGGGCTGAGCCTGCCTCCTGCCTGCTCTCGGGCAGAAAGAAGGGA
GGTGGAGAATGTGGCCATTACTGCCCTGGAGGGCTCAAAGGGGATCTGGCTGGTTCGCTACTACAAGCTG
TCTGAGATGACAGAGCAGGATCAACAACGGCTCATCGATGACCACTTTCTGTTTGATAAGCCAGTGTCC
CTTTACTAACATGCGCTGGGATGGCCCGTACTGGCTGATGCCAGAGGAATCTGGCATAATTATGACAA
GACATTTCTCATCTGGATAAATGAAGAAGACCACACAGGGTATTTCATGGAGAAGGGAGGCAATATG
AAACCGGTATTTGAGCGATTCTGTCTGGACTAAAGGAAGTGGAACTAATCCAAGAAGCAGGCTGGG
AGTTTCATGTGGAATGAACGTCTAGGATACATTTTGACTTGCCCTCGAACCTCGAACCTGGATTGCGAGC
TGGTGTCCACGTTAGGATCCCAAAGCTCAGCAAGGATCCACGCTTTTCTAAGATCTTGGAGAACCTGCGG
CTCCAGAAGCGTGGCACAGGAGGCGTGGACACTGCAGCAGTGGCCGACGTGTACGACATTTCCAACATAG
ATCGGATCGGTAGATCTGAGGTTGAGCTTGTTGAGATTGTTATTGACGGAGTCACTACCTGGTGGATTG
TGAAAAGAAGCTGGAGAGAGGCCAGGACATCAAGTGCCGCTCCCTGCCTCAGTTTGGCAGGAAG**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001127652
Insert Size:	1260 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_001127652.1, NP_001121124.1</u>
RefSeq Size:	1468 bp
RefSeq ORF:	1260 bp
Locus ID:	688698
Cytogenetics:	2q12
Gene Summary:	sarcomeric mitochondrial creatine kinase isozyme; catalyzes the transfer of phosphate to creatine in energy transduction [RGD, Feb 2006]