

Product datasheet for RN201324

Ckmt1 (NM_001012738) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ckmt1 (NM_001012738) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ckmt1
Synonyms:	Ckmt1b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN201324 representing NM_001012738 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTGGTCCCTTCTCCCGTCTGCTGTCTGCCGCCCGGACTCAAGCTCCTGGCTTTGGCTGGAGCTG
GGTCTCTCGCCGCGGGATTCTGCTCCGGAATCTGTACGAGCGCCACCGTGAACGGAGGAGACT
GTATCCCCGAGCGCTGAGTACCCAGACCTCCGAAAGCACAACAAGTGCATGGCCAGTCACTGACCCCA
GCAGTCTATGCACGGCTCTGCGACAAGACCACACCCACTGGCTGGACACTAGATCAGTGCATCCAGACTG
GAGTGGACAACCCTGGCCACCCCTTCATCAAGACTGTGGGCATGGTGGCTGGAGATGAGGAGACCTATGA
GGTATTTGCCGAAGTGTGGACCTGTGATCCAAGAGCGGCATAATGGATATGACCTAGAACAATGAAG
CACACCACTGACCTTGATGCCAGCAAAATCCGTTCTGGCTACTTTGATGAGAGGTACGTATTGTCCTCAA
GAGTCAGAAGTGGCCGAAGTATCAGGGGACTCAGTCTCCCTCCAGCCTGCACTCGGGCAGAGCGACGAGA
GGTGGAGCGTGTGTGGTGGACGCGCTGAGTGGCCTGAAGGGCGACCTGGCTGGACGGTACTACAGGCTC
AGTGAGATGACAGAGGCTGAGCAGCAGCAGCTTATTGACGACATTTCTGTTTGATAAACCTGTGTCCC
CATTGCTGACAGCAGCAGGCATGGCTCGAGACTGGCCAGATCCCGAGGAATCTGGCACAACAATGAGAA
GAGTTTCTTGATCTGGGTGAATGAGGAGGACCACACCGGTCATCTCTATGGAGAAAGCGGCAACATG
AAGAGAGTGTGGAAAGATTCTGCCGGGCCTCAAAGAGGTGGAGAAGCTGATCCAGGAACGAGGCTGGG
AGTTTATGTGGAATGAGCGTTTAGGATACATCTTGACCTGTCCATCTAACCTGGGCACTGGACTTCGGGC
AGGAGTACACGTCAAAGTCCACTGCTAAGCAAAGATAGCCGCTTCCCAAAGATCCTGGAGAACCTAAGG
CTGCAAAGCGTGGGACTGGAGGAGTGGACACGGCTGCCACAGGCAGTGTCTTTGACATCTAATCTGG
ATCGACTTGGCAAGTCAAGGTTGAGCTGGTGCAGCTGGTCATCGATGGGGTGAAGTATTTGATTGACTG
TGAACGGCGTCTGGAGAAAGGACAGGATATTCGAATCCCTCCACCTTTGTCCACGGCAAACAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001012738
Insert Size:	1257 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_001012738.1</u> , <u>NP_001012756.1</u>
RefSeq Size:	1607 bp
RefSeq ORF:	1257 bp
Locus ID:	29593
Cytogenetics:	3q35
Gene Summary:	ubiquitous mitochondrial creatine kinase isozyme; catalyzes the transfer of phosphate to creatine in energy transduction [RGD, Feb 2006]