

## Product datasheet for **RR208183**

### Ckm (NM\_012530) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ckm (NM_012530) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ckm
Synonyms:	Ckmm; CPK-M
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208183 representing NM_012530 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCGTTCGGCAACACCCACAACAAGTTCAAGCTGAACTACAAGTCGCAGGAGGAGTACCCAGACCTCA  
GCAAACACAACAACCACATGGCCAAGGTGCTGACTCCTGACCTCTACAATAAGCTTCGAGACAAGGAGAC  
CCCATCCGGCTTCACTCTGGACGATGTCATCCAGACTGGGGTGGACAACCCGGGTACCCTTTCATCATG  
ACGGTCGGCTGTGTGGCCGGCGATGAGGAGTCTACACTGTTTTCAAGGACCTGTTTGACCCCATCATCC  
AGGACCGCATGGTGGCTTCAAACCCACAGACAAGCATAAGACCGACCTCAACCACGAGAACCTCAAGGG  
TGGAGACGATCTGGACCCCAACTATGTGCTGAGCAGCCGCTGCGCACTGGCCGACGATCAAGGGCTAC  
ACTCTGCCCCCGCACTGCTCCCGCGGAGAGCGCGTGTGTAGAGAAGCTGTCCGTGGAAGCTCTCAACA  
GCCTGACAGGCGAGTTCAAGGGCAAATACTACCTCTGAAGAGCATGACAGAGCAGGAGCAGCAGCAGCT  
CATTGATGACCACTTCTGTTTGACAAGCCCGTGTACCTCTGCTGCTGGCCTCAGGCATGGCCCGAGAC  
TGGCCCGACGCCCGTGGCATCTGGCACAACGACAACAAAAGCTTCTGGTGTGGGTGAATGAGGAGGACC  
ACCTTCGCGTGATCTCCATGGAGAAAGGAGGCAATATGAAGGAAGTTTTCCGCCGCTTCTGCGTGGCCT  
GCAGAAGATTGAGGAGATCTTCAAGAAGGCTGGTCACCCCTTCATGTGGAACGAGCACCTGGGCTACGTG  
CTCACCTGCCCTCCAACCTGGGCACCGGGCTGCGCGGAGGCGTGCACGTGAAGCTGGCGAACCTGAGCA  
AGCACCCCAAGTTTGAGGAGATTCTCACCCGCTTCGTCTGCAGAAGCGCGGCACAGGTGGCGTGGACAC  
CGCTGCGGTGGGCGCCGTGTTTCGACATCTCCAACGCCGATCGGCTGGGCTCTCCGAGGTCGAACAGGTG  
CAGCTGGTGGTGGATGGCGTAAAGCTTATGGTGGAGATGGAGAAGAAGCTGGAAAAGGCCAGTCCATCG  
ACGACATGATCCCTGCGCAGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR208183 representing NM\_012530  
 Red=Cloning site Green=Tags(s)

MPFGNTHNKFKNLYKSQEEYPDL SKHNNHMAKVL TPDLYNKL RDKETPSGFTLDDVIQTGVDNPGHPFIM  
 TVGCVAGDEESYTVFKDLFDPIIQDRHGGFKPTDKHKTDLNHENLKGDDLDPNYVLSRVRTGRSISKY  
 TLPPhCSRGERRAVEKLSVEALNSLTGEFKGKYPLKSMTEQEQQQLIDDHFLFDKPVSPLLLASGMARD  
 WPDARGIWHNDNKSFLVWVNEEDHLRVI SMEKGGNMKEVFRRCVGLQKIEEIFKKAGHPFMWNEHLGYV  
 LTCPSNLGTGLRGGVHVKLANLSKHPKFEEILTRLRLQKRGTGGVDTAAVGA VFDISNADRLGSSEVEQV  
 QLVVDGVKLMVEMEKLEKQSIDDMIPAQK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

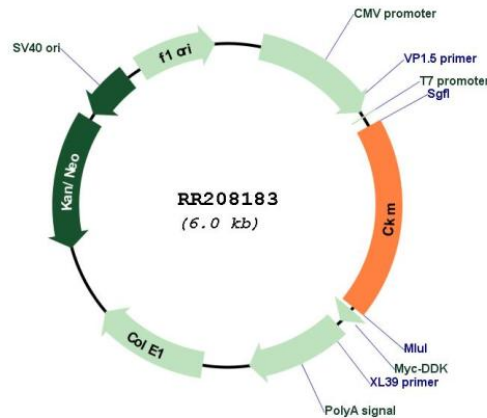
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_012530

<b>ORF Size:</b>	1143 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_012530.1</a> , <a href="#">NM_012530.2</a> , <a href="#">NP_036662.1</a>
<b>RefSeq Size:</b>	1438 bp
<b>RefSeq ORF:</b>	1146 bp
<b>Locus ID:</b>	24265
<b>UniProt ID:</b>	<a href="#">P00564</a>
<b>Cytogenetics:</b>	1q21
<b>MW:</b>	43 kDa
<b>Gene Summary:</b>	catalyzes regeneration of ATP; expression is induced by p53 [RGD, Feb 2006]