

Product datasheet for **RN200622**

Cmpk1 (NM_001025655) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cmpk1 (NM_001025655) Rat Untagged Clone
Tag: Tag Free
Symbol: Cmpk1
Synonyms: CK; Cmpk; RGD1310116
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN200622 representing NM_001025655
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGAGCAGCTGTCGTCGCTGGCTGCTGCACGTCCTGGTCCCAGCTTCCCGCCGCTAACCCGCGGAC
 TCGGTTCTTCCCTCTCCAACCTCATGAAGCCGTTGGTCGTGTTTCGTTTTGGCGGGCCCGGTGCGGGCAA
 GGGGACCCAGTGC GCGCATTGTTGAGAAATATGGCTACACACACCTTTCTGCAGGAGAGCTTCTTCGT
 GATGAAAGGAAGAATCCAGATTCACAGTATGGTGAACATTATTGAAAAGTACATTAAGAAGGAAAGATTG
 TACCAGTTGAGATAACCATCAGTTTATTAAGAGGGAAATGGACCAAACAATGGCTGCCAATGCTCAGAA
 GAATAAATTTGATTGATGGCTTTCCAAGAAATCAAGACAACCTTCAGGTTTGAACAAGACCATGGAT
 GGGAAAGCAGATGTATCTTTTGTCTGTTTTTACTGTAATAATGAGATCTGTATTGACCGATGTCTTG
 AAAGGGGAAAAAGTAGTGGTAGGAGTGTGACAACAGAGAGAGCTTGGAAAAGAGAATTCAGACTTATCT
 TGAATCAACAAAACCAATTATTGACCTATATGAAGAAATGGGCAAAGTCAAGAAAATAGACGCTTCTAAG
 TCTGTTGATGAAGTTTTTGGTGACGTTATGAAGATTTTTGACAAAAGAAGC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001025655
Insert Size: 684 bp



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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_001025655.1</u> , <u>NP_001020826.1</u>
RefSeq Size:	1871 bp
RefSeq ORF:	684 bp
Locus ID:	298410
UniProt ID:	<u>Q4KM73</u>
Cytogenetics:	5q35
Gene Summary:	Catalyzes the phosphorylation of pyrimidine nucleoside monophosphates at the expense of ATP. Plays an important role in de novo pyrimidine nucleotide biosynthesis. Has preference for UMP and CMP as phosphate acceptors. Also displays broad nucleoside diphosphate kinase activity.[UniProtKB/Swiss-Prot Function]