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Product datasheet for MC203867

Cmpk1 (NM_025647) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cmpk1 (NM_025647) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cmpk1
Synonyms:	0610011D08Rik; CK; Cmpk; UMP-CMPk
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC017684
GACTAGTTCTAGAAGCGCGTTGTATGCTGAGCAGCTGTCGTCGGCTGCTCCCGCACGTCCTGGTCCCGAG
CTGCCCGCCGCTGACCCGCAGACTGTGGCTCTTTCCTCTCCACCTCATGAAGCCGTTGGTCGTGTTCGTT
TTGGGCGGGCCCGGTGCGGGCAAGGGGACCCAGTGCGCGCGCATTGTCGAGAAATACGGCTACACACACC
TTTCTGCAGGAGAGCTTCTTCGTGATGAAAGGAAGAATCCAGACTCACAGTATGGTGAACTTATTGAAAA
GTACATTAAAGAAGGAAAGATTGTACCAGTTGAGATAACCATCAGTTTATTAAAGAGGGAAATGGACCAA
ACAATGGCTGCTAATGCTCAGAAGAATAAATTCTTGATTGATGGATTTCCAAGAAATCAAGACAACCTTC
AAGGTTGGAACAAAACCATGGATGGAAAAGCAGATGTATCTTTTGTTCTGTTTTTTGACTGTAATAATGA
GATCTGTATTGAACGATGTCTTGAAAGGGGAAAAAGTAGTGGTAGGAGTGACGACAACAGAGAGAGCTTG
GAAAAGAGAATTCAGACTTACCTTGAATCAACGAAACCAATTATTGACTTATATGAAGAAATGGGGAAAG
TCAAGAAGATAGATGCTTCTAAGTCTGTTGATGAAGTTTTTGGTGAAGTTGTGAAGATTTTTGACAAAGA
AGGCTAACTAACCCTGAAGGCATCTTTGAAATCATGCTTGAATATTGCTTTGATAGCTGCTATCACAGCC
CCTTTTAAGGCAGTTTTAACCTTTCAAGATTACATCTCAATTAATGTCTAGAAATATATAGTAAGACAAA
TTAAATTATGTGTTTTTTTTTATTTGTGGTCACAGTACACAGTGAATTCAGGTTTAAATCATTTTAGGTA
TTATGGTGCTCACAAAATGAAGAAGGGTATCAGCTAATTCTTGTTTGTGGTAAAGACTACCCCTTTTATC
CCTTTTATGTCTGTGCCTTCGGTGAGCTAATTTTTTTTAGTATGCATGTATATCCCTTTGGTAATTGCAG
TATATTGGGATTTGAGATTTCCACTTCCTCTTGCTTCACATTTAAAATTTTCAACCTGCTAAGTGAATTT
GTGGACCAAATTTAAAGGAACTTTATGTGTAGCTGGTTCTTGCTCAAGGTGTTTAGTAAACATACTCATA
AAATGGACTCCTAGCAATGCTCTGTTTATCAGATGACTGACCATTTCCTGTTGAAAGTTAAAACTTAGAG
ACTGATTTACTACAGCTTGTGCAACGTTGTATGATAGTGCATAGTCTTTGCTTCCAAGGTTTGAGTCAGG
GCACGGGGCTTCAGAGCCTGGGCAGGATTGTCAGCTTTCTTCTGACATAGTCTGTGGGGCAAGGGTCACA
AGTGGTGACTTGTATTCCTGTGCTCTGTGACACAGGACTGACTAGTCATCATAAAGTGATGTAACAAGAG
TTCCTACCAGTAGACCCTTGACATGCATTCACTAGTTTATGGTAATTTGATTCAGTTCTTGTTTTAGTAA
TAGTTAAAAAGTTTTTTTGTTTTGTTTTCTTAGACTAAATATAGAGTTAGAGTAAATTAGATAAAGCAAT
CTAATGGTTAAAATTCCCATTTGTATTTTATTTTCTGGAATATGTTTTTCATGGTTACTTGTTTTAAAAG
ATTTTAAAAATCATTGCACTTTGGTCAGAAAAAATAATAAATATATCTTATAAATGTTTGATTCCCTTAC
TGCTTGCTTTTTCAATAAAGTTTGAAGTCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_025647

Insert Size: 684 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:
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: BC017684, AAH17684

RefSeq Size:	1851 bp
RefSeq ORF:	684 bp
Locus ID:	66588
UniProt ID:	Q9DBP5
Cytogenetics:	4 D1
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]