

Product datasheet for **MC215901**

Cmpk2 (NM_020557) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cmpk2 (NM_020557) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cmpk2
Synonyms:	1200004E04Rik; TDKI; Tyki
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC215901 representing NM_020557
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCCTAATAAGCCGCCCTCGAGCCCCACTGTGGCTCGGGCGTCTGTCGCGGAGGCTGTGCGGGCGAC
ACCAGGCCTGCATGGGGACCATGGCTCGGCCGCGCGCTTCACTGTGGAGCTGCCAGATTGCTCCCTGAC
TCACTTCGTCCTGGGGATGCAACAGACCACAGGGATGCACGCCTGGCAGAGCTGCTCGGCCCCAGGG
CGCAGCTACGCGCTGTGTGTGCCCTGGCTCCAGGCGAAGGCTGCGGGCCCCGGGTGCAGGCGGCCCGGG
TGCACCATCGCTGCTGCAGCAGCTGCGCCGGGGTCTTTACAGAGATGCCAACTGAGCAAGCTTCTGGG
CTATGGTCCGGGCGATCAGGCCGCGAAGCCCAGCATGGCTTCTGCTGCGGGACCCTTGCAGCACCCG
GACTCGGCGGACTTGTCCAGCTTCTGGGCTCCTGCCAGGAGGCGCGCCCGCAGTTGGCCGAGT
TCCAGGCCGACTCCAGGGTTTGTGTGGCAGCGTCTGTGGGAGTTGCAGGGAGACAGGCAGGTGCAGGT
GGACTGCGCATGGTCTGCCGCGCACAGGAACCTCATCTGCACCCATTGCTGCCAGATCTGCTTAACTCT
GCGGTGTTCCAAGACCGGACGCGGCAAGGGCTGTCTTGAAGAGTGCACATCCTTTATTCCAGAAGCCC
GGCAGTACTTGACCTAGTTGACCAGTGCCCAAAGGAGGTCCAGAAAGGGAAGTTCCAGGTCATTGCCAT
TGAAGGACTGGATGCCACTGGTAAAGACCACACTGACGCAGTCACTGTGAGTCTCTCAAGGCTGTCCCTC
CTACAGTCGCCACCCCTGTATCAGCCAGTGGAGGAAGATCTTTGATGATGAACCTACTATCATTCCGAA
GAGCCTTTTATTCTTTGGGCAATTATCTCGTGGCTTCTGAAATAGCTAAAGAATCAACCAACTTTCTGT
TATTGTAGACAGTACTGGCATAGCACAGCCACCTACGCCATAGCTACTGAGGTGAGTGGAGGCCTACAG
TACCTACCCCTGCCACCACCCTGTGTACCAGTGGCCAGGGACCTGCTGAAGCCCGACTTGGTCTCTGC
TGCTGACTGTGAATTCTGAGGAGAGAGTCCGGAGACTGCAGGGCCGGGGTTCAGGAGAAAATAAAGAAGA
GGCTGAACCTTGAGCCAATAATGTGTTTCGTGAGAAAGTGGAAATGACGTACCAGCGTATGGAGAACCCA
AGCTGCCATCTGGTGGATGCCAGCCCTCGAGAGAGACAGTCTGCAGAAGGTTTTAGAGCTGATCCAGA
GTTCTGGTCGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_020557

Insert Size: 1344 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:	<u>NM_020557.4, NP_065582.3</u>
RefSeq Size:	3215 bp
RefSeq ORF:	1344 bp
Locus ID:	22169
UniProt ID:	<u>Q3U5Q7</u>
Cytogenetics:	12 9.69 cM
Gene Summary:	May participate in dUTP and dCTP synthesis in mitochondria. Is able to phosphorylate dUMP, dCMP, CMP, UMP and monophosphates of the pyrimidine nucleoside analogs ddC, dFdC, araC, BVDU and FdUrd with ATP as phosphate donor. Also displays broad nucleoside diphosphate kinase activity (By similarity).[UniProtKB/Swiss-Prot Function]