

Product datasheet for **RR212440**

Cpm (NM_001108098) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cpm (NM_001108098) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cpm
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212440 representing NM_001108098
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGACGGCGCGCCTGTGGCTGGGGCTTCTGCTGCCCGTGGTGGCCGCTTGGATTTCCGATACCACC
 ACCAGGAAGGGATGGAGGCTTTCCTAAAGAGCGTGGCTCAGAACTACAGTTCGATCACGCACTTGCACAG
 CATCGGAAATCGGTGAGAGGTAGAACTGTGGTTCCTGTTGTGGGGCAGTCTCAAAGGAGCACAGA
 GTCGGGATTCAGAGTTCAAATACGTGGCTAATATGCACGGCGATGAGACTGTGGGGCGAGAACTGCTGC
 TCCACTTGATCGACTATCTGGTAACCACTTATGGGAAGGACGCCGAAATGACACGCCTGATCGACAGCAC
 CCGGATCCACATCATGCCTTCCATGAACCCAGATGGATTCGAAGCCGTCGAAGCCCGACTGTTACTAC
 AGTAATGGAAGGGAAAATAACAATAATTATGACCTGAACAGAACTTCCCTGATGCCTTTGAAAATAACA
 GTGTAACCAAGCAGCCGAGACCCTGGCGGTATGACGTGGTGCAAACCGAGACATTTGCCTCTCTGC
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 TTGTCCCGAAGCCTGACTCCAGATGACGATGTTTTTCAACACCTGGCGTACACCTATGCCTCACGGAATC
 CCAACATGACAAAAGGGGATCAGTGTAAAAACAAGAGGAGCTTCCCAACGGGATCATCAACGGGACTC
 CTGGTATCCACTGCAAGGGGAAATGCAAGATTACAACATACATCTGGGCCAGTGCTTTGAAATCACCTG
 GAGCTGTCTGTGTAATACCTCGGGAGGAGAAGCTACCGTCTTTTGGAAATGATAACAAAGCCTCTT
 TGATCGAGTACATAAAACAGGTGCACCTAGGTGTAAGGGTCAAGTGTGTTGATCAGAGTGGAAATCCATT
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 TATTACCTGCTTCTTGGCTGGGTCTACGTGATAAATGTTACAGTCCCTGGACATGACTCACACCTCA
 CGAAGCTTACAATTCCATCGAAATCCGACCCCTCAGTGTCTTAAAAAGGATTTTACCTCCCCTTGGC
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 AGCCACTCTGTGCAACAAAGCCTAGTTGTTTGTATTTTCGTGACTCTTTGCACATATTTTCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212440 representing NM_001108098
 Red=Cloning site Green=Tags(s)

MDGARLWLGLLLPVVAALDFRYHHQEGMEAFKLSVAQNYSSITHLHSIGKSVRGRNLWLVVQGSPKEHR
 VGIPEFKYVANMHGDETVGRELLHLIDYLVTSYGKDAEMTRLIDSTRIHIMPSPMPDGFVAVKKPDCYY
 SNGRENNYDLNRNFPDAFENNSVTKQPETLAVMTWLQTETFLSANLHGGALVASYPFDNGVQATGTL
 LSRSLTPDDDFQHLAYTYASRNPNMTKGDQCKNKRSFPNGIINGYSWYPLQGGMQDYNYIWAQCFEITL
 ELSCCKYPREEKLPFFWVNDNKASLIEYIKQVHLGVKQVFDQSGNPLPNVIVEAQRKHICPFRTNKLG
 YLLLLPGSYVINVTVPGHDSLTKLTIPSKSQPFSALKKDFHLPLRWQPDVSVSNPSCPMIPLYKLP
 SHSAATKPSLFVFFVTLHIFFK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

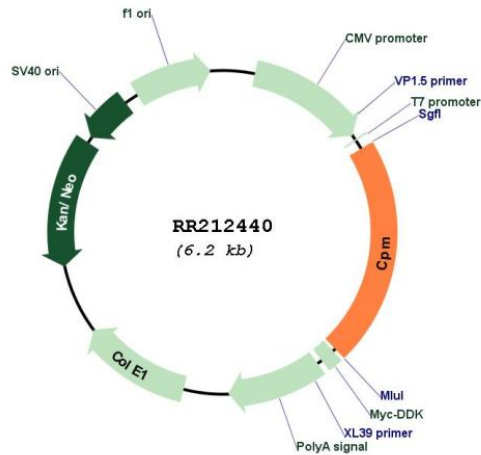
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001108098
ORF Size:	1329 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001108098.1 , NP_001101568.1
RefSeq Size:	5450 bp
RefSeq ORF:	1332 bp
Locus ID:	314855
Cytogenetics:	7q22
MW:	50.3 kDa