

Product datasheet for **RR208146**

Cct3 (NM_199091) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cct3 (NM_199091) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cct3
Synonyms:	MGC72950
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR208146 representing NM_199091
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGGGCCACCGTCCAGTGTCTGTGCTCAGTCAGAATACAAAGCGTGAGTCTGGAAGAAAAGTTCAAT
 CTGGAAATATCAATGCTGCAAAGACAATTGCAGACATCATCCGGACCTGTTGGGACCTAAATCTATGAT
 GAAGATGCTTTTGGATCCAATGGGAGGCATCGTGATGACCAATGATGGTAAATGCCATTCTTCGAGAGATT
 CAAGTCCAGCATCCCGCAGCAAAATCCATGATTGAAATAGCAGGACCCAGGATGAAGAGTTGGAGATG
 GGACCACATCAGTAATTATTCTTGCTGGAGAAATGCTGTCTGTGGCTGAGCACTTCTAGAGCAGCAGAT
 GCACCCAACAGTGGTGATCAGTGCTTACCGCATGGCACTGGATGATATGGTCAGCACTCTGAAGAAAATC
 AGTACCCCTGTTGATGTCAATAACCGTGATATGATGTTGAACATCATCAATAGCTCTATTACTACAAAAG
 TCATCAGTCGGTGGTCTCTTTGGCATGCAACATTGCACTGGATGCTGTTAAGACTGTTCAAGTTGAAGA
 GAATGGCAGAAAGGAAATGATATCAAGAAGTATGCAAGGTTGAAAAGATACCCGGGGGCATCATTGAA
 GACTCGTGTGCTTACGTGGAGTTATGATCAACAAGGATGTGACCCATCCAAGAAATGCGCCGCTATATTA
 AGAATCCTCGAATTGTTCTACTGGATTCTCTCTGGAGTACAAGAAAGGAAAGCCAGACTGACATTGA
 GATTACACGAGAGGAGGATTTACCCGCATCCTGCAAAATGGAAGAAGAGTACATCCAGCAGTTGTGTGAG
 GATATTATCCAGCTGAAACCTGACGTAGTCATCACAGAAAAGGGCATCTCGGATTTAGCTCAGCACTACC
 TCATGCGGGCCAAATGTCACAGCCATTCTAGAGTCCGGAAAACAGACAATAATCGCATTGCTAGAGCCTG
 TGGGGCACGGATAGTCAGCCGACCCGAGAACTGAGAGAAGATGATGTTGGTACAGGAGCAGGCTTATTG
 GAAATCAAGAAGATTGGAGATGAGTACTCACATTCACTACTGACTGCAAAGACCCAAAGGCTGCACCA
 TTCTTCTTAGAGGAGCCAGCAAAGAGATACTATCGGAAGTAGAAGCAACCTCCAGGATGCCATGCAATG
 GTGCCGCAATGTTCTCCTGGACCCTCAGCTGGTGCCTGGTGGTGGAGCCTCTGAGATGGCTGTGGCCAT
 GCCTTGACAGAAAATCTAAGGCCATGACTGGTGTGGAACAATGGCCATATAGGGCTGTGGCCAGGCTT
 TAGAGGTCATCCCTCGGACCTTGATCCAGAAGTGTGGGGCCAGTACCATTCTGCTGCTTACCTCCCTTCG
 GGCCAAGCACACAGGAGAATTGTGAGACCTGGGGTGTGAATGGTGGAGACTGGTACCTTAGTGACATG
 AAAGAGCTGGGTATTTGGGAGCCATTGGCTGTGAAGCTACAAACATACAAAACAGCAGTGGAGACTGCAG
 TTCTGCTTCTGCGGATTGATGACATTGTCTCTGGCCACAAGAAGAAGGATGATGACCAGAACCGGCAAC
 CGGTGCTCCAGATGCTGGCCAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208146 representing NM_199091
 Red=Cloning site Green=Tags(s)

MMGHRPVLVLSQNTKRESGRKVVQSGNINAAKTIADIIRTCLGPKSMMKMLLDPMGGIVMTNDGNAILREI
 QVQHPAAKSMIEISRTQDEEVDGTTSVIILAGEMLSVAEHFLEQQMHPTVVISAYRMLDDMVSTLKKI
 STPVDVNNRDMMLNIINSSITTKVISRWSSSLACNIALDAVKTVQFEENGRKEIDIKKYARVEKIPGGIIE
 DSCVLRGVMINKDVTHPRMRYIKNPRIVLLDSSLEYKKGESQTDIEITREEDFTRILQMEEEYIQQLCE
 DI IQLKPDVVITEKGISDLAQHYLMRANVTAIRVRKTDNNRIARACGARIVSRPEELREDDVGTGAGLL
 EIKKIGDEYFTFITDCKDPKACTILLRGASKEILSEVERNLDAMQVCRNVLLDPQLVPGGGASEMAVAH
 ALTEKSKAMTGVEQWPYRAVAQALEVIPRTL IQNCGASTIRLLTSLRAKHTQENCETWGVNGETGLVDM
 KELGIWEPLAVKLQTYKTAVETA VLLLLRIDDIVSGHKKKGDDQNRQTGAPDAGQE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

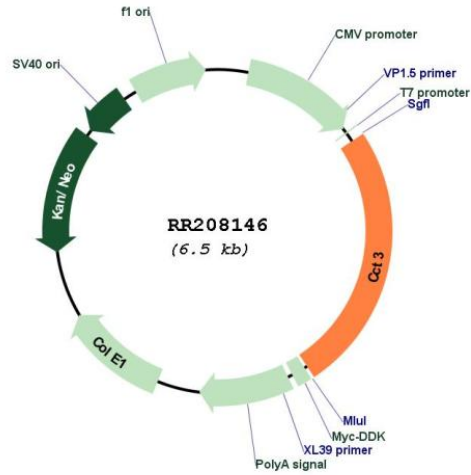
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_199091
ORF Size:	1635 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_199091.1 , NM_199091.2 , NP_954522.1
RefSeq Size:	1981 bp
RefSeq ORF:	1638 bp
Locus ID:	295230
UniProt ID:	Q6P502
Cytogenetics:	2q34
MW:	60.6 kDa
Gene Summary:	one of eight subunits of CCT, an ATP-ase and chaperonin protein which aids in the ATP-dependent folding of actin and tubulin in the cytosol [RGD, Feb 2006]