

## Product datasheet for **RR203000**

### **Cul5 (NM\_022683) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cul5 (NM_022683) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cul5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide  
Sequence:

>RR203000 representing NM\_022683  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGACGTCTAATCTGTAAAGAATAAAGGTTCTCTCCAGTTGAAGACAAGTGGGATTTTCATGCGTC  
CAATTGTTTTGAAGCTTTTACGCCAGGAATCTGTAACAAAGCAGCAGTGGTTTGTCTGTTTTCCGATGT  
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GCCGACATCAACACCTTCATATACATGGCG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203000 representing NM\_022683  
 Red=Cloning site Green=Tags(s)

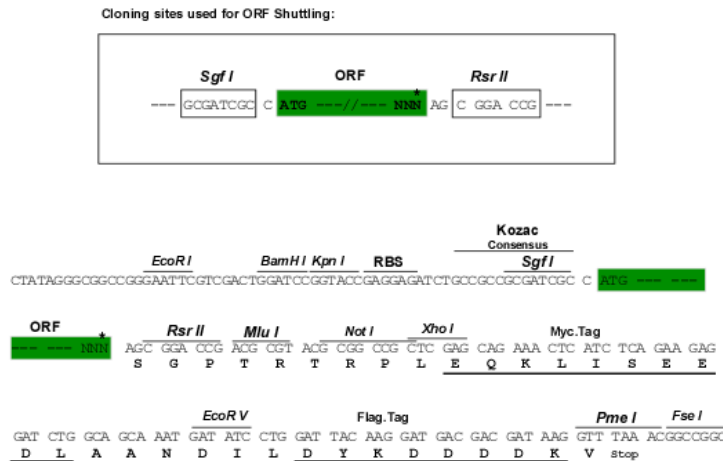
MATSNLLKNKGS LQFEDKWFMRPIVLKLLRQESVTKQQWFDL FSDVHAVCLWDDKGSSKIHQALKEDIL  
 EFIKQAQARVLSHQDDTALLKAYIVWRKFFTQCDILPKPFCQLEVTLLGKQSSNKKSNMEDSIVRKLML  
 DTWNESIFSNIKNRLQDSAMKLVHAERLGEAFDSQLVIGVRESYVNLCSNPEDKQLIYRDNFEKAYLDST  
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 CQGMIKRNETEKLHLMFSLMDKVPGGIEPMLKDLEEHIIISAGLADMVAAAETITTDSEKYVEQLLTLFNR  
 FSKLVKEAFQDDPRFLTARDKAYKAVVNDATIFKLELPLKQKGVGLKTQPESKCPPELLANYCDMLLRKTP  
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 EEENEGIVQLRILRTQEAI IQIMKMRKKISNAQLQTELVEILKNMFLPQKKMIKEQIEWLI EHKYIRRDE  
 ADINTFIYMA

SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

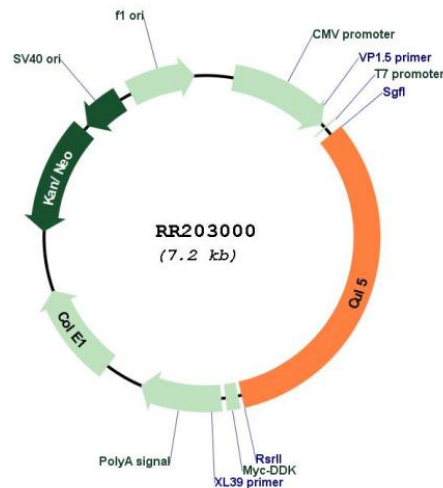
SgfI-RsrII

Cloning Scheme:



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



ACCN: NM\_022683

ORF Size: 2340 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:

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\\_022683.1](#), [NP\\_073174.1](#)

RefSeq Size: 2704 bp

RefSeq ORF: 2343 bp

Locus ID: 64624

UniProt ID: [Q9JJ31](#)

**Cytogenetics:** 8q24  
**MW:** 90.9 kDa  
**Gene Summary:** neuropeptide arginine vasopressin receptor; may have a role in the central nervous system [RGD, Feb 2006]