

Product datasheet for **RR214981**

Cort (NM_012835) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cort (NM_012835) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cort
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214981 representing NM_012835
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGTGGCTGCAGCACAAGAGGCAAGCGGCCGTAGCCCTCAGTCTGCTGCTGCTGCTGCTGCTCGG
GGATCGCAGCCTCTGCCCTCCCCTGGAGAGCGGTCCCACCGCCAGGACAGTGTGCAGGATGCCACAGG
CGGGAGGAGACCGCCCTTCTGACTTTCCTTGCCTGGTGGCATGAGTGGGCTTCCAAGACAGCTCCAGC
ACCGCTTTCGAAGGGGTACCCCGAGCTGTCTAAGCGGCAGAAAGACCACCCCTCCAGCAGCCCCAC
ACCGGGATAAAAAGCCCTGCAAGAACTTCTTCTGAAAACCTTCTCTCGTGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RR214981 representing NM_012835
Red=Cloning site Green=Tags(s)

MGCSTRGKRPSALSLLLLLLLSGIAASALPLESGPTGQDSVQDATGRRRTGLLTF LAWVHEWASQDSSS
TAFEGTPELSKRQERPLQPPHRDKKPKNFVWTFSSCK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

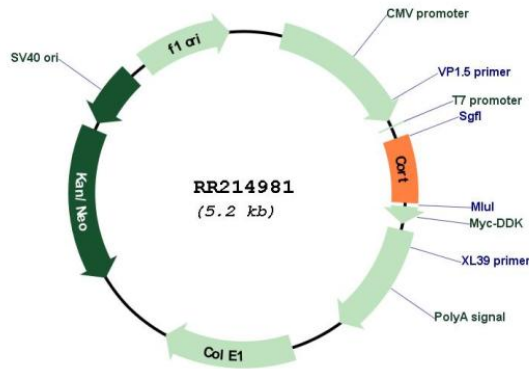


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Cloning Scheme:



Plasmid Map:



ACCN: NM_012835
 ORF Size: 336 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_012835.1 , NP_036967.1
RefSeq Size:	438 bp
RefSeq ORF:	339 bp
Locus ID:	25305
UniProt ID:	Q62949
Cytogenetics:	5q36
MW:	12.2 kDa
Gene Summary:	inhibits growth hormone secretion; may act as a neuropeptide to mediate signaling via a somatostatin receptor subtype [RGD, Feb 2006]