

Product datasheet for **RR200088**

RT1-CE5 (NM_001033986) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RT1-CE5 (NM_001033986) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RT1-CE5
Synonyms:	RT1-C/E5; RT1-E2; rt1-EI
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR200088 representing NM_001033986 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGGCGATGGCACCGCGCACGCTGCTCCTGCTGCTGGCGGCGGCCCTGGCCCAACCCGGACCCGCG
CGGGCTCACACTCGTGCCTATTTCCACACCGCCGTGTCCGGCCCGCCCTCGGGAGCCCGGTTTCAT
TATCGTCGGCTATGTGGACCACACGGAGTTCGTGCGCTACGACAGCGACGACAGAGAAATCCGAGATACGAG
CCGCGGGCGCGGTGGATGGAGCGGGAGGGCCGGAGTATTGGGAGCAGCAGACACAGATCGTCAAGGGAC
ACGAATGGAGTTTCCGAGTGAGCCTGAGGAATCTGCTAGGCTACTACAACCAGAGCGAGGGCGGCTCTCA
CACACTCCAGGTGATGTCTGGATGTGACATGGGGTCCGACCAGAGCCTGCGCCGCGGGTATGAGCAATAC
GCCTATGACGGCCGCGATTACATCTCCCTGAACGAAGACCTGAAGACGTGGTCCGGCTGCGGACTTGGCAG
CACAGATCACTCTAAACAAGTGGGATCAGGCTGGTGAATTAGACTATTACAAGGCCTACCTGGAGGGTCC
ATGCCTGGAGTGGCTTCTCAGATACCTGGAGCACGGGAAGGAGACACTGATGCGCTCAGATCCCCAAAG
GCACATGTGACCCCTCACCCAGACCTGAAGGTGATGTGACCTGAGGTGCTGGGCCCTGGGCTTCTACC
CTGCTGACATCACCCCTGACCTGGCAGTTGAATGGGGAGGACCTGACCCAGGACATGGAGCTTGTGGAGAG
CAGGCCTGCAGGGGATGGAACCTTCCAGAAGTGGGCATCTGTGGTGGTGCCTCTTGGGAAGGAGCAGAAT
TACACATGCCTTGTGGAGCATGAGGGGCTGCCTGAGCCCTCACCTTTAGATGGGAGGCTCCTCCCTCCA
CCAACCTCAACACGGGAATGTCTGTTATTCTTGGAACTGTGACCATCATTGCAGTTATGGCCATCATTGT
AGTTGTAGCCGTCATTAGAACTGTTGTGAGGAAGAGATGGATAAAAAACAGCTTTTCTTCTACAAGTGGGA
AAAGGAGTCTACACCCCTGCTCCAGGCAGGACAGCTCCAGAGCTCTGATGTGTCTCTCCAGATTGTA
AAGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200088 representing NM_001033986
 Red=Cloning site Green=Tags(s)

MGAMAPRTL L L L L L A A L A P T R T R A G S H S L R Y F H T A V S R P G L G E P R F I I V G Y V D H T E F V R Y D S D A E N P R Y E
 P R A R W M E R E G P E Y W E Q Q T I V K G H E W S F R V S L R N L L G Y N Q S E G G S H T L Q V M S G C D M G S D Q S L R R G Y E Q Y
 A Y D G R D Y I S L N E D L K T W S A A D L A A Q I T L N K W D Q A G E L D Y Y K A Y L E G P C L E W L L R Y L E H G K E T L M R S D P P K
 A H V T L H P R P E G D V T L R C W A L G F Y P A D I T L T W Q L N G E D L T Q D M E L V E T R P A G D G T F Q K W A S V V V P L G K E Q N
 Y T C L V E H E G L P E P L T F R W E A P P S T N S N T G M S V I L G T V T I I A V M A I I V V V A V I R T V V R K R W I K T A F L L T S G
 K G V Y T P A P G R D S S Q S S D V S L P D C K A

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

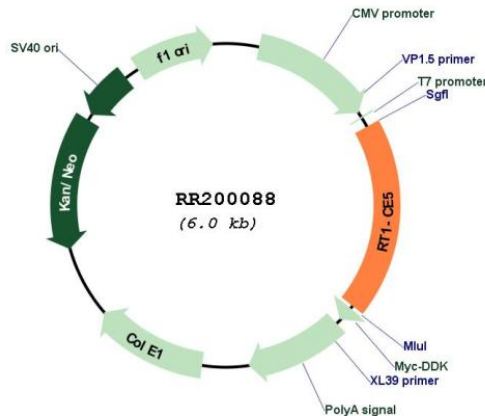
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001033986

ORF Size:	1125 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_001033986.1 , NP_001029158.1
RefSeq Size:	1634 bp
RefSeq ORF:	1128 bp
Locus ID:	309607
Cytogenetics:	20p12
MW:	42.2 kDa