

Product datasheet for **RR215917**

Cuta (NM_001164706) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cuta (NM_001164706) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cuta
Synonyms: CutA1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215917 representing NM_001164706
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTGCCCTACTGCCGGTGGCTTCCCGCCTTCTATTGCTACCCGAGCTCTGCTGTCCATGGCTTCTG
GAAGCCCTCCGTCAGCCGTCGCCGGCTCGGGCTCCGGCTACGTTCCAGGATCAGTCTCTGCAGCCTT
TGTCATTGTCCGAACGAAAAAGTCGCCAAGGAGATTGCCAGGGCAGTGGTAGAGAAGCGCTGGCAGCC
TGCGTCAACCTCATCCCGCAGATCACATCCATCTATGAATGGAAAGGAAAGATCGAGGAAGATAGTGAGG
TGCTGATGATGATTAACACAAAGCTCCCTGGTCCCTGCTCTGACAGAGTTTGTCCGATCTGTGCACCC
TTATGAAGTTGCCGAGGTGATCGCACTGCCCGTGGAGCAGGGGAATCCCCGATCTGCACTGGGTGCAC
CAGGTCACGGAATCAGTGTCAAGGCTCTGGCAAGGCCCTACCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215917 representing NM_001164706
Red=Cloning site Green=Tags(s)

MPALLPVASRLLLLPRALLSMASGSPSPASGSGYVPGSVSAAFVTCNPNEKVAKEIARAVVEKRLAA
CVNLIPQITSIYEWKGI EEDSEVLMMIKTQSSLPALTEFVRSVHPYEA EAVIALPVEQGNPPYLHWVH
QVTESVSGSGKALP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

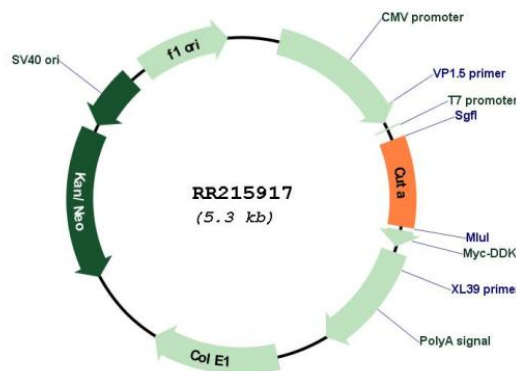


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001164706

ORF Size: 462 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:	<u>NM_001164706.1, NP_001158178.1</u>
RefSeq Size:	665 bp
RefSeq ORF:	465 bp
Locus ID:	294288
UniProt ID:	<u>Q6MGD0</u>
Cytogenetics:	20p12
MW:	16.4 kDa
Gene Summary:	may play a role in anchoring acetylcholinesterase in neuronal cell membranes; may be involved in signal transduction [RGD, Feb 2006]