

Product datasheet for RN215917

Cuta (NM_001164706) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cuta (NM_001164706) Rat Untagged Clone
Tag: Tag Free
Symbol: Cuta
Synonyms: CutA1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN215917 representing NM_001164706
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGCCCTACTGCCGGTGGCTTCCCGCCTTCTATTGCTACCCGAGCTCTGCTGTCCATGGCTTCTG
 GAAGCCCTCCGTCAGCCGTCGCCGGCTCGGGCTCCGGCTACGTTCCAGGATCAGTCTCTGCAGCCTT
 TGTCACTTGTCCGAACGAAAAAGTCGCCAAGGAGATTGCCAGGGCAGTGGTAGAGAAGCGCTGGCAGCC
 TGCCTCAACCTCATCCCGCAGATCACATCCATCTATGAATGAAAAGGAAAGATCGAGGAAGATAGTGAGG
 TGCTGATGATGATTAACACAAAAGCTCCCTGGTCCCTGCTCTGACAGAGTTTGTCCGATCTGTGCACCC
 TTATGAAGTTGCCGAGGTGATCGCACTGCCCGTGGAGCAGGGGAATCCCCGTATCTGCACTGGGTGCAC
 CAGGTCACGGAATCAGTGTCAAGGCTCTGGCAAGGCCCTACCATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001164706
Insert Size: 465 bp
OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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| OTI Annotation: | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag. |
| 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</u> , <u>NP_001158178.1</u> |
| RefSeq Size: | 665 bp |
| RefSeq ORF: | 465 bp |
| Locus ID: | 294288 |
| UniProt ID: | <u>Q6MGD0</u> |
| Cytogenetics: | 20p12 |
| Gene Summary: | may play a role in anchoring acetylcholinesterase in neuronal cell membranes; may be involved in signal transduction [RGD, Feb 2006] Transcript Variant: This variant (3) differs in the 5' UTR and uses a downstream start codon compared to variant 1. Both variants 2 and 3 encode the same protein (isoform 2), which is shorter than isoform 1. |