

Product datasheet for RR213977

Cuta (NM_212494) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cuta (NM_212494) 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: >RR213977 representing NM_212494
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACGGGGGGGGCGCTCGGCGTCTACTCGGCGGAGGGGCCACGCTGCTCCTGTCGTTTCTTTGCA
 TGCTGCCCTACTGCCGGTGGCTTCCCCTTCTATTGCTACCCGAGCTCTGCTGTCCATGGCTTCTGG
 AAGCCCTCCGTCACGCGTCCGCGGCTCGGGCTCCGGTACGTTCCAGGATCAGTCTCTGCAGCCTTT
 GCACTTGTCCGAACGAAAAAGTCGCCAAGGAGATTGCCAGGGCAGTGGTAGAGAAGCGCCTGGCAGCCT
 GCGTCAACCTCATCCCGCAGATCACATCCATCTATGAATGGAAAGGAAAGATCGAGGAAGATAGTGAGGT
 GCTGATGATGATTAACACAAAGCTCCCTGGTCCCTGCTCTGACAGAGTTTGTCCGATCTGTGCACCT
 TATGAAGTTGCCGAGGTGATCGCACTGCCCGTGGAGCAGGGGAATCCCCCGTATCTGCACTGGGTGCACC
 AGGTCACGGAATCAGTGTGAGGCTCTGGCAAGGCCCTACCA

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213977 representing NM_212494
 Red=Cloning site Green=Tags(s)

MNWGRALGVLLGGGATLLL SFLCMPALLPVASRLLLLPRALLSMASGSPSPSPASGSGYVPGSVSAAF
 VTCPNEKVAKEIARAVVEKRLAACVNLIPQITSIYEWKGIIEEDSEVLMMIKTQSSLVPALTEFVRSVHP
 YEVAEVIALPVEQGNPPYLHWVHQVTESVSGSGKALP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

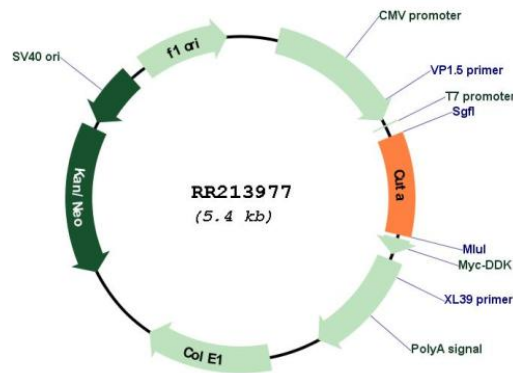
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_212494

ORF Size: 531 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_212494.2</u> , <u>NP_997659.2</u>
RefSeq Size:	718 bp
RefSeq ORF:	534 bp
Locus ID:	294288
Cytogenetics:	20p12
MW:	18.8 kDa
Gene Summary:	may play a role in anchoring acetylcholinesterase in neuronal cell membranes; may be involved in signal transduction [RGD, Feb 2006]