

Product datasheet for **RC224308**

CUTA (NM_001014433) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CUTA (NM_001014433) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CUTA
Synonyms: ACHAP; C6orf82
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC224308 representing NM_001014433
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATAGGGTCGGGATTGGCTGGCTCTGGAGGCGCAGGTGGTCTTCTTCTACTGTCACATGGTGGCGGC
TGTTTTCTAATCACGTGGCTGCCACCCAGGCTCTCTGCTCTGTCTTTTGGTGGATGCCGGCGCTGCT
GCCTGTGGCTCCCGCTTTTGTGCTACCCGAGTCTTGTGCTGACCATGGCTCTGGAAGCCCTCCGACC
CAGCCCTCGCCGGCTCGGATCCGGCTCTGGCTACGTTCCGGGCTCGGTCTCTGCAGCCTTTGTTACTT
GCCCAACGAGAAGGTCGCAAGGAGATCGCCAGGGCCGTGGTGGAGAAGCGCCTAGCAGCTGCGTCAA
CCTCATCCCTCAGATTACATCCATCTATGAGTGGAAAGGGAAGATCGAGGAAGACAGTGAGGTGCTGATG
ATGATTAACCAAAAGTTCTTGGTCCAGCTTTGACAGATTTTGTTCGTTCTGTGCACCCCTACGAAG
TGGCCGAGGTAATTGCATTGCCTGTGGAACAGGGGAACTTCCGTACCTGCAGTGGGTGCCCAGGTCAC
AGAGTCAGTTTCTGACTCTATCACAGTCTGCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224308 representing NM_001014433
Red=Cloning site Green=Tags(s)

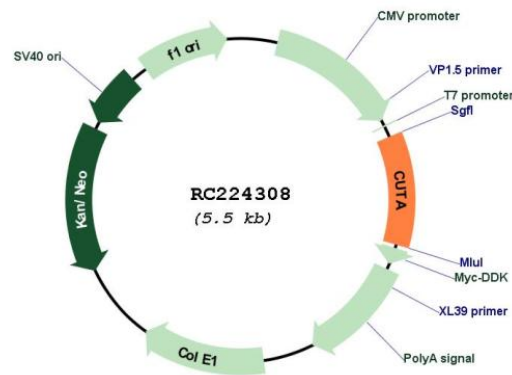
MIGSGLAGSGGAGPSSTVTWCALFSNHVAATQASLLLLSFVWMPALLPVASRLLLLPRVLLTMASGSPPT
QPSPADSGSGYVPGSVSAFVTCPNEKVAKIARAVVEKRLAACVNLIPQITSIYEWKGIIEEDSEVLM
MIKTQSSLVPALTDFVRSVHPYEVAEVIALPVEQGNFPYLQWVRQVTESVSDSITVLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001014433

ORF Size: 594 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:

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_001014433.2](#), [NP_001014433.1](#)

RefSeq Size: 823 bp

RefSeq ORF: 471 bp

Locus ID: 51596

UniProt ID: [O60888](#)

Cytogenetics: 6p21.32

Protein Families: Transmembrane

MW: 20.7 kDa

Gene Summary: May form part of a complex of membrane proteins attached to acetylcholinesterase (AChE).
[UniProtKB/Swiss-Prot Function]