

Product datasheet for **RG224308**

CUTA (NM_001014433) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CUTA (NM_001014433) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CUTA
Synonyms: ACHAP; C6orf82
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG224308 representing NM_001014433
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATAGGGTCGGGATTGGCTGGCTCTGGAGGCGCAGGTGGTCTTCTTCTACTGTCACATGGTGCAGC
 TGTTTTCTAATCACGTGGCTGCCACCCAGGCTCTCTGCTCTGTCTTTTGGTGGATGCCGGCGCTGCT
 GCCTGTGGCTCCCGCTTTTGTGCTACCCCGAGTCTTGCTGACCATGGCCTCTGGAAGCCCTCCGACC
 CAGCCCTCGCCGGCTCGGATCCGGCTCTGGCTACGTTCCGGGCTCGGTCTCTGCAGCCTTTGTTACTT
 GCCCAACGAGAAGGTCGCAAGGAGATCGCCAGGGCCGTGGTGGAGAAGCGCCTAGCAGCCTGCGTCAA
 CCTCATCCCTCAGATTACATCCATCTATGAGTGGAAAGGGAAGATCGAGGAAGACAGTGAGGTGCTGATG
 ATGATTAACCAAGTTCCCTTGGTCCCAGCTTTGACAGATTTTGTTCGTTCTGTGCACCTTACGAAG
 TGGCCGAGGTAATTGCATTGCCTGTGGAACAGGGGAACTTCCGTACCTGCAGTGGGTGCCAGGTAC
 AGAGTCAGTTTCTGACTCTATCACAGTCTGCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG224308 representing NM_001014433
 Red=Cloning site Green=Tags(s)

MIGSGLAGSGGAGGSSSTVTWCALFSNHVAATQASLLLSFVWMPALLPVASRLLLPRVLLTMSAGSPPT
 QPSPASDSGSYVPGSVSAAFVTCPNEKVAKEIARAVVEKRLAACVNLIPQITSIYEWKGI EEDSEVLM
 MIKTQSSLVPAL TDFVRSVHPYEVAEVI ALPVEQGNFPYLQWVRQVTESVSDSITVLP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


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

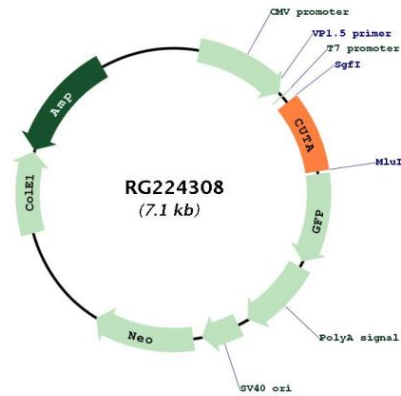
UniProt ID: [O60888](#)

Cytogenetics: 6p21.32

Protein Families: Transmembrane

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

Product images:



Circular map for RG224308