

Product datasheet for RC223005

AGTRAP (NM_001040195) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AGTRAP (NM_001040195) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: AGTRAP
Synonyms: ATRAP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC223005 representing NM_001040195
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCTGCCTGCTGTGAACCTGAAGGGGCTGCATTGTATTCTCAGGCTCCTATGCCTGGGCCAACTTC
ACCATCTGGCCTTGGGCGTGTGGGCTGTGGCTCAGCGGGACTCCATCGACGCCATAAGCATGTTTCTGG
GTGGCTTGCTGGCCACCATCTTCTGGACATCGTGACATCAGCATCTTCTACCCGGGGTCAGCCTCAC
GGACACGGCCGCTTTGGCGTGGGCATGGCCATCCTCAGCTTGCTGCTCAAGCCGCTCTCCTGCTGCTTC
GTCTACCACATGTACCGGAGCGCGGGGTTTCTTGGGTCTTCTCAGGACCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC223005 representing NM_001040195
 Red=Cloning site Green=Tags(s)

MELPAVNLKGLHCILRLLCLGQLHHPGLGRVCGSAGLHRRHKHVSGLAGHHLPGHRAHQHLLPAGQPH
 GHGPLWRGHGHPQLAAQAALLLRLPHVPGARGFPWFVSGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001040195

ORF Size: 333 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.

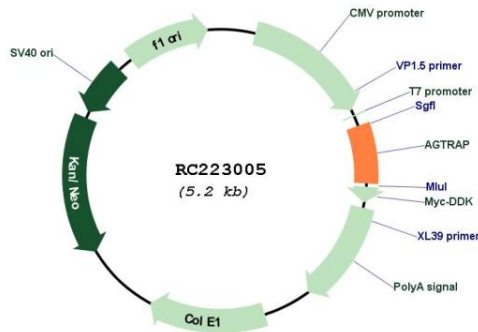
RefSeq: [NM_001040195.1](#), [NP_001035285.1](#)

RefSeq Size: 1144 bp

RefSeq ORF: 336 bp

Locus ID: 57085
UniProt ID: [Q6RW13](#)
Cytogenetics: 1p36.22
Protein Families: Druggable Genome, Transmembrane
MW: 11.8 kDa
Gene Summary: This gene encodes a transmembrane protein localized to the plasma membrane and perinuclear vesicular structures. The gene product interacts with the angiotensin II type I receptor and negatively regulates angiotensin II signaling. Alternative splicing of this gene generates multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC223005