

Product datasheet for RR206078L3

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OriGene Technologies, Inc.

Agtrap (NM_001007654) Rat Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Agtrap (NM_001007654) Rat Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Agtrap

Synonyms: MGC95145

Mammalian Cell

Puromycin

Selection: Vector:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RR206078).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



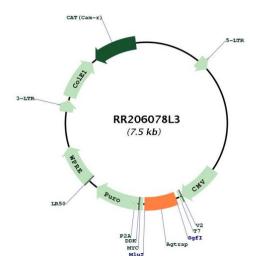


^{*} The last codon before the Stop codon of the ORF.





Plasmid Map:



ACCN: NM_001007654

ORF Size: 480 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: <u>NM 001007654.1</u>, <u>NP 001007655.1</u>

RefSeq Size: 2179 bp RefSeq ORF: 483 bp



Agtrap (NM_001007654) Rat Tagged Lenti ORF Clone - RR206078L3

 Locus ID:
 298646

 UniProt ID:
 Q642A2

 Cytogenetics:
 5q36

Gene Summary: Appears to be a negative regulator of type-1 angiotensin II receptor-mediated signaling by

regulating receptor internalisation as well as mechanism of receptor desensitization such as phosphorylation. May play a role of negative regulator in cardiomyocyte hypertrophy induced by angiotensin II through an inhibition of p38 mitogen-activated protein kinase pathway. Attenuates type-1 angiotensin II receptor growth promoting effect and angiotensin II-induced

phosphorylation of protein kinase AKT and of STAT3.[UniProtKB/Swiss-Prot Function]