

Product datasheet for **RR206078L4V**

Agtrap (NM_001007654) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Agtrap (NM_001007654) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Agtrap
Synonyms:	MGC95145
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001007654
ORF Size:	480 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR206078).
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.
RefSeq:	NM_001007654.1 , NP_001007655.1
RefSeq Size:	2179 bp
RefSeq ORF:	483 bp
Locus ID:	298646
UniProt ID:	Q642A2
Cytogenetics:	5q36



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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]