

## Product datasheet for MR206029L4

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## Adipor2 (NM\_197985) Mouse Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** Adipor2 (NM\_197985) Mouse Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Adipor2

**Synonyms:** 1110001l14Rik; ADCR2; Al115388; AW554121; D6Ucla1e; Paqr2

Mammalian Cell

Selection:

Puromycin

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

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

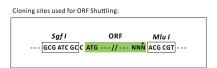
**ORF Nucleotide** 

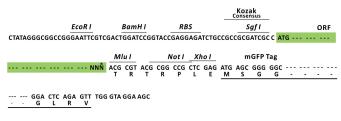
The ORF insert of this clone is exactly the same as(MR206029).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_197985

ORF Size: 1161 bp





#### Adipor2 (NM\_197985) Mouse Tagged Lenti ORF Clone - MR206029L4

**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 197985.3</u>

 RefSeq Size:
 3963 bp

 RefSeq ORF:
 1161 bp

 Locus ID:
 68465

 UniProt ID:
 Q8BQS5

**Cytogenetics:** 6 56.78 cM

**Gene Summary:** Receptor for ADIPOQ, an essential hormone secreted by adipocytes that regulates glucose

and lipid metabolism (PubMed:17327425, PubMed:17068142, PubMed:17268472,

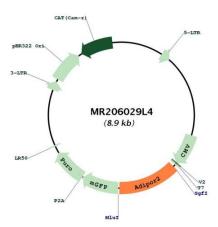
PubMed:24742672). Required for normal body fat and glucose homeostasis

(PubMed:17327425, PubMed:17068142, PubMed:17268472, PubMed:24742672). ADIPOQ-binding activates a signaling cascade that leads to increased PPARA activity, and ultimately to increased fatty acid oxidation and glucose uptake (PubMed:12802337, PubMed:17268472, PubMed:24742672). Has intermediate affinity for globular and full-length adiponectin (PubMed:12802337). Required for normal revascularization after chronic ischemia caused by

severing of blood vessels (PubMed:24742672).[UniProtKB/Swiss-Prot Function]



# **Product images:**



Circular map for MR206029L4