

Product datasheet for RR206897L4

Tarbp2 (NM_001034941) Rat Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Tarbp2 (NM_001034941) Rat Tagged Lenti ORF Clone

Tag: mGFP Symbol: Tarbp2

Synonyms: MGC124970

Mammalian Cell Puromycin

Selection:

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

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

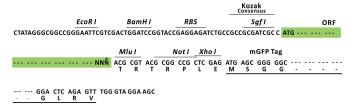
ORF Nucleotide The ORF insert of this clone is exactly the same as(RR206897).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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



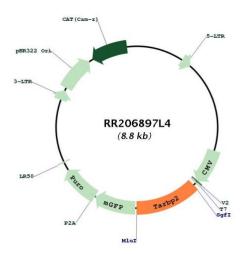
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Plasmid Map:



ACCN: NM_001034941

ORF Size: 1095 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 001034941.1</u>, <u>NP 001030113.1</u>

RefSeq Size: 1495 bp RefSeq ORF: 1098 bp



Tarbp2 (NM_001034941) Rat Tagged Lenti ORF Clone - RR206897L4

 Locus ID:
 363006

 UniProt ID:
 Q3SWU0

 Cytogenetics:
 7q36

Gene Summary: Required for formation of the RNA induced silencing complex (RISC). Component of the RISC

loading complex (RLC), also known as the micro-RNA (miRNA) loading complex (miRLC), which is composed of DICER1, AGO2 and TARBP2. Within the RLC/miRLC, DICER1 and TARBP2 are required to process precursor miRNAs (pre-miRNAs) to mature miRNAs and then load them onto AGO2. AGO2 bound to the mature miRNA constitutes the minimal RISC and may subsequently dissociate from DICER1 and TARBP2. May also play a role in the production of

short interfering RNAs (siRNAs) from double-stranded RNA (dsRNA) by DICER1.

[UniProtKB/Swiss-Prot Function]