

Product datasheet for RR208127L4

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

ler2 (NM_001009541) Rat Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ler2 (NM_001009541) Rat Tagged Lenti ORF Clone

Tag: mGFP Symbol: ler2

Synonyms: MGC72578

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(RR208127).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001009541

ORF Size: 663 bp



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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 001009541.1</u>, <u>NP 001009541.1</u>

 RefSeq Size:
 1564 bp

 RefSeq ORF:
 666 bp

 Locus ID:
 494344

 UniProt ID:
 Q6P7D3

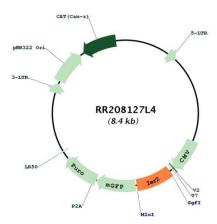
 Cytogenetics:
 19q11

Gene Summary: DNA-binding protein that seems to act as a transcription factor (By similarity). Involved in the

regulation of neuronal differentiation, acts upon JNK-signaling pathway activation and plays a role in neurite outgrowth in hippocampal cells (PubMed:17156131). May mediate with FIBP FGF-signaling in the establishment of laterality in the embryo (By similarity). Promotes cell motility, seems to stimulate tumor metastasis (By similarity). [UniProtKB/Swiss-Prot Function]



Product images:



Circular map for RR208127L4