

## Product datasheet for RR207710L4

## Ilkap (NM\_022606) Rat Tagged Lenti ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

Product Name: Ilkap (NM\_022606) Rat Tagged Lenti ORF Clone

Tag: mGFP Symbol: Ilkap

Mammalian Cell Puromycin

Selection:

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

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

ORF Nucleotide The ORF insert of

Sequence:

The ORF insert of this clone is exactly the same as(RR207710).

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





**ACCN:** NM\_022606

ORF Size: 1176 bp



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#### Ilkap (NM\_022606) Rat Tagged Lenti ORF Clone - RR207710L4

**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 022606.1</u>, <u>NP 072128.1</u>

RefSeq Size: 1318 bp
RefSeq ORF: 1179 bp
Locus ID: 64538
UniProt ID: Q9Z1Z6

**Cytogenetics:** 9q36

**Gene Summary:** Protein phosphatase that may play a role in regulation of cell cycle progression via

dephosphorylation of its substrates whose appropriate phosphorylation states might be crucial for cell proliferation. Selectively associates with integrin linked kinase (ILK), to

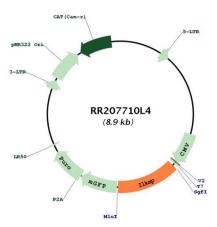
modulate cell adhesion and growth factor signaling. Inhibits the ILK-GSK3B signaling axis and

may play an important role in inhibiting oncogenic transformation (By similarity).

[UniProtKB/Swiss-Prot Function]



# **Product images:**



Circular map for RR207710L4