

Product datasheet for RR214357L3

OriGene Technologies, Inc.

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LOC683313 (NM_001101007) Rat Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: LOC683313 (NM_001101007) Rat Tagged Lenti ORF Clone

Tag:Myc-DDKSymbol:LOC683313Synonyms:CK-6A; Krt6a

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RR214357).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



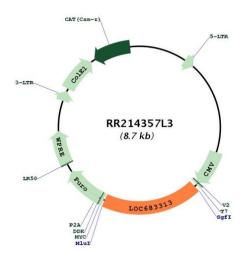


^{*} The last codon before the Stop codon of the ORF.





Plasmid Map:



ACCN: NM_001101007

ORF Size: 1656 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 001101007.1</u>, <u>NP 001094477.1</u>

RefSeq Size: 2261 bp RefSeq ORF: 1659 bp



LOC683313 (NM_001101007) Rat Tagged Lenti ORF Clone - RR214357L3

 Locus ID:
 683313

 UniProt ID:
 Q4FZU2

Gene Summary: Epidermis-specific type I keratin involved in wound healing. Involved in the activation of

follicular keratinocytes after wounding, while it does not play a major role in keratinocyte proliferation or migration. Participates in the regulation of epithelial migration by inhibiting

the activity of SRC during wound repair.[UniProtKB/Swiss-Prot Function]