

Product datasheet for RC228649L3

OriGene Technologies, Inc.

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Raptor (RPTOR) (NM_001163034) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Raptor (RPTOR) (NM_001163034) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Raptor

Synonyms: KOG1; Mip1

Mammalian Cell Puromycin

Selection:

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

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

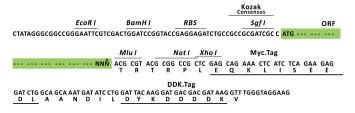
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC228649).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



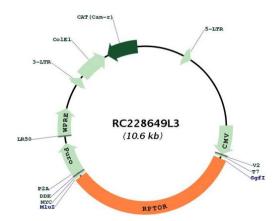


st The last codon before the Stop codon of the ORF.





Plasmid Map:



ACCN: NM_001163034

ORF Size: 3531 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: NM 001163034.1

RefSeq ORF: 3534 bp **Locus ID:** 57521



Raptor (RPTOR) (NM_001163034) Human Tagged Lenti ORF Clone - RC228649L3

UniProt ID: Q8N122
Cytogenetics: 17q25.3

Protein Pathways: Insulin signaling pathway, mTOR signaling pathway

MW: 131.3 kDa

Gene Summary: This gene encodes a component of a signaling pathway that regulates cell growth in response

to nutrient and insulin levels. The encoded protein forms a stoichiometric complex with the mTOR kinase, and also associates with eukaryotic initiation factor 4E-binding protein-1 and ribosomal protein S6 kinase. The protein positively regulates the downstream effector ribosomal protein S6 kinase, and negatively regulates the mTOR kinase. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep

2009]