

Product datasheet for RC203805L4

OriGene Technologies, Inc.

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Papillary renal cell carcinoma (PRCC) (NM_005973) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Papillary renal cell carcinoma (PRCC) (NM_005973) Human Tagged Lenti ORF Clone

Tag:

Symbol: Papillary renal cell carcinoma

RCCP1; TPRC Synonyms: **Mammalian Cell**

Selection:

Puromycin

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

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

ORF Nucleotide

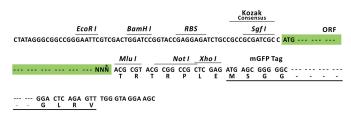
The ORF insert of this clone is exactly the same as(RC203805).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_005973

ORF Size: 1473 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 005973.4</u>

 RefSeq Size:
 2142 bp

 RefSeq ORF:
 1476 bp

 Locus ID:
 5546

 UniProt ID:
 Q92733

Cytogenetics: 1q23.1

Protein Families: Druggable Genome

MW: 52.4 kDa

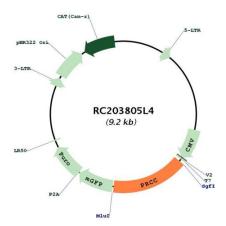
Gene Summary: This gene encodes a protein that may play a role in pre-mRNA splicing. Chromosomal

translocations (X;1)(p11;q21) that result in fusion of this gene to TFE3 (GeneID 7030) have been associated with papillary renal cell carcinoma. A PRCC-TFE3 fusion protein is expressed in affected carcinomas and is likely associated with altered gene transactivation. This fusion protein has also been associated with disruption of the cell cycle.[provided by RefSeq, Aug

2010]



Product images:



Circular map for RC203805L4