

Product datasheet for RC201619L3

OriGene Technologies, Inc.

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Cytokeratin 17 (KRT17) (NM_000422) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Cytokeratin 17 (KRT17) (NM 000422) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Cytokeratin 17

Synonyms: 39.1; CK-17; K17; PC; PC2; PCHC1

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(RC201619).

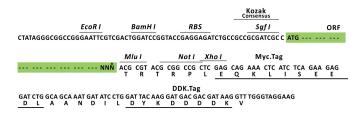
Sgfl-Mlul

Sequence:

Restriction Sites: Cloning Scheme:

Sgf 1 ORF Mlu I

GCG ATC GCC ATG ---//--- NNN ACG CGT ---



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

ACCN: NM_000422

ORF Size: 1296 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 000422.1</u>

 RefSeq Size:
 1574 bp

 RefSeq ORF:
 1299 bp

 Locus ID:
 3872

 UniProt ID:
 004695

Cytogenetics: 17q21.2

MW: 48.1 kDa

Gene Summary: This gene encodes the type I intermediate filament chain keratin 17, expressed in nail bed,

hair follicle, sebaceous glands, and other epidermal appendages. Mutations in this gene lead to Jackson-Lawler type pachyonychia congenita and steatocystoma multiplex. [provided by

RefSeq, Aug 2008]