

Product datasheet for RC224877L4

KRT75 (NM_004693) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: mGFP

Symbol: KRT75

Synonyms: CK-75; hK6hf; K6HF; K75; KB18; PFB

Mammalian Cell Puromycin

Selection:

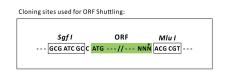
Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

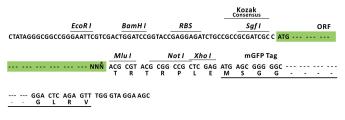
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(RC224877).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_004693

ORF Size: 1653 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um

filter is required.

RefSeq: <u>NM_004693.1</u>

RefSeq Size: 2121 bp

RefSeq ORF: 1656 bp

Locus ID: 9119

UniProt ID: <u>095678</u>

Cytogenetics: 12q13.13

MW: 59.4 kDa

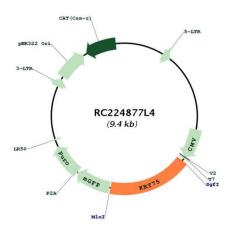
Gene Summary: This gene is a member of the type II keratin family clustered on the long arm of chromosome

12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. This gene is expressed in the companion layer, upper germinative matrix region of the hair follicle, and medulla of the hair shaft. The encoded protein plays an essential role in hair and nail formation. Variations in this gene have been associated with the hair disorders pseudofolliculitis barbae (PFB) and loose anagen hair syndrome (LAHS).

[provided by RefSeq, Oct 2008]



Product images:



Circular map for RC224877L4