

Product datasheet for RC202611L3

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OriGene Technologies, Inc.

ANKH (NM_054027) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ANKH (NM_054027) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: ANKH

Synonyms: ANK; CCAL2; CMDJ; CPPDD; HANK; MANK; SLC62A1

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(RC202611).

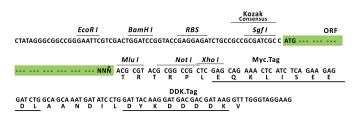
Sgfl-Mlul

Sequence:

Restriction Sites: Cloning Scheme:

Sgf 1 ORF Mlu I

GGG ATC GC ATG ---//--- NNN ACG CGT ---



 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_054027

ORF Size: 1476 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 054027.3</u>

 RefSeq Size:
 8224 bp

 RefSeq ORF:
 1479 bp

 Locus ID:
 56172

 UniProt ID:
 Q9HCJ1

Protein Families: Druggable Genome, Transmembrane

5p15.2

MW: 54.2 kDa

Cytogenetics:

Gene Summary: This gene encodes a multipass transmembrane protein that is expressed in joints and other

tissues and controls pyrophosphate levels in cultured cells. Progressive ankylosis-mediated control of pyrophosphate levels has been suggested as a possible mechanism regulating tissue calcification and susceptibility to arthritis in higher animals. Mutations in this gene have been associated with autosomal dominant craniometaphyseal dysplasia. [provided by RefSeq,

Jul 2008]