

## Product datasheet for **SC316434**

### ANKLE2 (NM\_015114) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ANKLE2 (NM_015114) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKLE2
Synonyms:	KIAA0692; Lem4; LEMD7; MCPH16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



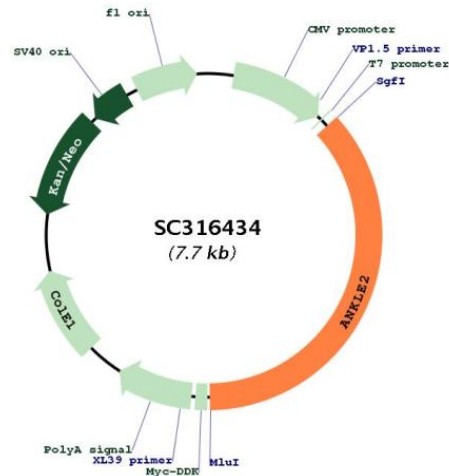
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**Fully Sequenced ORF:** >SC316434 representing NM\_015114.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_015114

**Insert Size:** 2817 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_015114.2](#)

**RefSeq Size:** 4499 bp

**RefSeq ORF:** 2817 bp

**Locus ID:** 23141

**UniProt ID:** [Q86XL3](#)

**Cytogenetics:** 12q24.33

**Protein Families:** Transmembrane

**MW:** 104.1 kDa

**Gene Summary:** This gene encodes a member of the LEM family of inner nuclear membrane proteins. The encoded protein functions as a mitotic regulator through postmitotic formation of the nuclear envelope. Mutations in this gene cause morphology defects in the nuclear envelope and BAF hyperphosphorylation. [provided by RefSeq, Mar 2014]