

Product datasheet for **SC337102**

ANKLE1 (NM_001278444) Human Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | ANKLE1 (NM_001278444) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ANKLE1 |
| Synonyms: | ANKRD41; LEM3; LEMD6 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



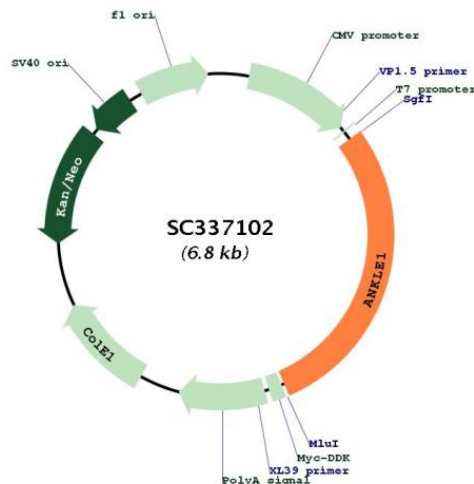
[View online »](#)

Fully Sequenced ORF: >SC337102 representing NM_001278444.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTGGACCCCGTGCGGCGGGGACGCTGGCTGGAAACCCTGCTCGGCCCTGGAGAGGGGCCCCCC
GAGCCGAGGGGAGGAGCGGCATGCCACAAGCCCCCGGGGAAGTAGGAAATCGACCGACCAGGCG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001278444

Insert Size: 1956 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).

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_001278444.1](#)

RefSeq Size: 3001 bp

RefSeq ORF: 1956 bp

Locus ID: 126549

Cytogenetics: 19p13.11

MW: 69.8 kDa

Gene Summary:

Endonuclease that probably plays a role in the DNA damage response and DNA repair.
[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (3) uses an alternate in-frame splice site in the central coding region and lacks an exon in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (3) is shorter and contains a distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.