

## Product datasheet for **SC337052**

### **ANKLE1 (NM\_001278443) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ANKLE1 (NM_001278443) 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)



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**Fully Sequenced ORF:** >SC337052 representing NM\_001278443.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTGGACCCCGTGCAGCGGGGACGCTGGCTGGAAACCCTGCTCGGCCCTGGAGAGGGGCCCCCG
GAGCCGAGGGGAGGAGCGGCGCATGCCACAAGCCCCCGGGGAAGTAGGAAATCGACCGACCAGGCG
GTGCGCTTCGGACCCAGCCAGGGCATGTGCTCGGAGGCCCGCTGGCTCGCAGGGCAGTAGAGGAGCTG
CTGCGCTGCGGCCGCGACCCTAATTTGGTGTAGAGGACGGCGCAGCGGCTGTGCACTTGGCGGCCGGA
GCCCGGACCCGCGCGGCTGCGTTGCCTCGGGGCCCTACTGCGCCAAGGCGGGGACCCCAACGCTCGA
TCTGTGAGGCACTGACGCCGCTGCATGTGGCCGCGCTGGGGCTGCCGCCGCGGCTGGAGCTGTG
CTGAGCCAAGGAGCGGACCCGCGCTGCGCGACCAGGACGGACTCCGGCCGCTGGACCTGGCCCTGCAG
CAGGGACACCTGGAGTGCAGCGAGTCTGCAGGATCTCGACACGCGGACCAGGACCCGGACCCGGATC
GGGGCAGAGACTCAGGAGCCGAGCCTGCACCTGGCACCCAGGCTCTCTGGACCTACCGATGAGACG
CTGGACTCCATAGCACTCCAAAAGCAGCCATGCAGAGGTGACAACAGGGACATTGGCTTGGAGGCTGAC
CCAGGACCCCGAGCCTCCCTGTTCCCCTTGAAACTGTGGACAAACATGGGAGCTCGGCGTCCCCTCCA
GGGCACTGGGATTACAGCTCAGACGCCTCTTTCGTACAGCGGTTGAGGTCTCTGGAGCTGAGGACCCA
GCCTCGGACACTCCCCCTGGGCTGGGTGATTGCCACCGACCAGGACGGACTTCTGCATGTTGTCCAT
GCCAACAGAGGGTACCTAGGTCTCAGGGCACGGAGGCAGAACTGAATGCCCGTCTGCAGGCCCTGACT
CTGACCCACCAAATGCTGCTGGCTTCCAGTCTCCCCTTCTCCATGCCTCTCTGGACAGGAGTCCA
GCTCATAGCCCCACGGACACCAACCCCTGGAGCTTCTGACTGCCACTGCCTGTGGGAGCACCAGACA
TCCATTGATAGTGACATGGCCACGCTCTGGCTGACAGAGGATGAGGCAAGCTCTACAGGTGGCAGGGAA
CTGTGCGCCCTTGCCGCGCACCTGCCAGTCTCCACTGTGTCTGACTTGGAGTTGCTGAAGGACTCCGA
GCACTTGCCCCAGAGTTTTTCAGGGCACAGCCTAGAACTGGCTGCAGCCCTGCGGACGGGCTGTATTCCA
GATGTCCAGGCAGATGAAGACGCGCTGGCCAGCAGTTTGAGCAGCCAGATCCTGCCAGGAGGTGGCGG
GAGGGGTCGTGAAGTCTAGCTTACCTATCTGCTGCTGGACCCAGGGAGACTCAGGACCTGCCAGCC
CGAGCCTTCTCACTGACCCAGCTGAGCGCCTTCACTTTTATCCGTGCCATCTTCTACGTGGGCAAA
GGGACGAGGGCCCGCCATATGTCCACCTCTGGGAGGCCCTTGGTACCATGGGCGGTCAAGAAAACAG
CCCCACCAGGCCGCCCAAGGTGCGTCAGATCTGGACATCTGGGCCAGTGGTTGCGGTGTTGTGTCC
CTACATTGCTTCCAGCACGTGGTGTGCTGTGGAGGCTTATACACGGGAGGCGTGTATTGTGAAGCCCTA
GGGATCCAGACGCTCACCAACCAGAAGCAAGGGCACTGCTATGGAGTGGTGGCAGGCTGGCCACCTGCT
CGTCGCCGGCGCTTGGGGTGCACCTGCTGCACCGTGCCTCCTTGTCTTCTGGCTGAAGCGAGCGA
CAGCTTATCCCCAGGACATCCAGGCCCGGGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001278443

**Insert Size:** 1899 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\\_001278443.1](#)

**RefSeq Size:** 3107 bp

**RefSeq ORF:** 1899 bp

**Locus ID:** 126549

**UniProt ID:** [Q8NAG6](#)

**Cytogenetics:** 19p13.11

**MW:** 68 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 (2) uses two alternate in-frame splice sites in the coding region, compared to variant 1. The encoded isoform (2) is shorter, 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.