

Product datasheet for **SC336974**

ANKLE1 (NM_001278445) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKLE1 (NM_001278445) 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: >SC336974 representing NM_001278445.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCCACAAGCCCCCGGGAAAGTAGGAAATCGACCGACCAGGCGGTGCGCTTCGGACCCAGCCAGG
GCATGTGCTCGGAGGCCCGCTGGCTCGCAGGTTGCGGGATGCGCTGCGGGAGGAGGACCGGTGTAGAG
GAGCTGCTGCGCTGCGGGCGGGACCCTAATTTGGTGCTAGAGGACGGCGCAGCGGCTGTGCACTGGCG
GCCGGAGCCCGGCACCCGCGCGGCTGCGTTGCTCGGGGCCCTACTGCGCCAAGCGGGGACCCCAAC
GCTCGATCTGTCGAGGCACTGACGCCGTGCATGTGGCCGCCGCTGGGCTGCCGCCGCGGCTGGAG
CTGCTGCTGAGCCAAGGAGCGGACCCGGCGCTGCGCGACCAGGACGGACTCCGGCCGCTGGACCTGGCC
CTGCAGCAGGGACACCTGGAGTGCAGCGAGTCTGCAGGATCTGCACACGGGACAGGACCCGGACC
CGGATCGGGCAGAGACTCAGGAGCCGAGCCTGCACCTGGCACCCAGGCTCTCTGGACCTACCGAT
GAGACGCTGGACTCCATAGCACTCCAAAAGCAGCCATGCAGAGGTGACAACAGGGACATTGGCTGGAG
GCTGACCCAGGACCCCGAGCCTCCCTGTTCCCTTGAAGTGTGGACAAACATGGGAGCTCGGCGTCC
CCTCCAGGGCACTGGGATTACAGCTCAGACGCCTTTTCGTACAGCGGTTGAGGTCTCTGGAGCTGAG
GACCCAGCCTCGGACACTCCCCCTGGGCTGGGTATTGCCACCGACCAGGACGGGACTTCTGCATGTT
GTCCATGCCAACCAGAGGGTACCTAGGTCTCAGGGCACGGAGGCAGAAGTGAATGCCCGTCTGCAGGCC
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AGTCCAGCTCATAGCCCCACGGACACCAACCCTGGAGCTTCTGACTGCCACTGCCTGTGGGAGCAC
CAGACATCCATTGATAGTGACATGGCCACGCTCTGGCTGACAGAGGATGAGGCAAGCTCTACAGTGGC
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TGGCGGGAGGGGTCGTGAAGTCTAGCTTACCTATCTGCTGCTGGACCCAGGGAGACTCAGGACCTG
CCAGCCCGAGCCTTCTACTGACCCAGCTGAGCGCCTCAGACTTTCATCCGTGCCATCTTCTACGTG
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AAACAGCCCCACAGGCTGCCCAAGGTGCGTCAGATCTGGACATCTGGGCCAGTGGTTGCGGTGTT
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GCCCTAGGGATCCAGACGCTACCAACCAGAAGCAAGGGCACTGCTATGGAGTGGTGGCAGGCTGGCCA
CCTGCTGTCGCGGGCGCTTGGGGTGCACCTGCTGCACCGTCCCTCTGTCTTCTGGCTGAAGGC
GAGCGACAGTTCATCCCAGGACATCCAGGCCCGGGGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001278445

Insert Size: 1836 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_001278445.1](#)

RefSeq Size: 3135 bp

RefSeq ORF: 1836 bp

Locus ID: 126549

UniProt ID: [Q8NAG6](#)

Cytogenetics: 19p13.11

MW: 66.1 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 (4) uses two alternate splice sites in the coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (4) has a shorter and distinct N-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.