

Product datasheet for **RC239158**

ANKLE1 (NM_001278443) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKLE1 (NM_001278443) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ANKLE1
Synonyms:	ANKRD41; LEM3; LEMD6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RC239158 representing NM_001278443
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGGACCCCGTGC GGCGCGGGGCAGCCTGGCTGGAAACCCTGCTCGGCCCTGGAGAGGGCCCCCG
AGCCGAGGGGAGGAGCGGCGCATGCCACAAGCCCCCGGGAAGTAGGAAATCGACCGACCAGGCGGT
GCGCTTCGGACCCAGCCAGGGCATGTGCTCGGAGGCCCGCTGGCTCGCAGGGCAGTAGAGGAGCTGCTG
CGCTGCGGCGGGACCCTAATTTGGTGCTAGAGGACGGCGCAGCGGCTGTGCACTTGGCGCCGGAGCCC
GGCACC CGCGGGCTGCGTTGCCCTCGGGGCCCTACTGCGCCAAGGCGGGGACCCCAACGCTCGATCTGT
CGAGGCACTGACGCCGCTGCATGTGCCGCGCGTGGGGCTGCCGCCGGCCTGGAGCTGCTGCTGAGC
CAAGGAGCGGACCCGGCGCTGCGCGACCAGGACGGACTCCGGCCGCTGGACCTGGCCCTGCAGCAGGGAC
ACCTGGAGTGC GCGCGAGTCTGCAGGATCTCGACACGGGACCAGGACCCGGACCCGGATCGGGGCGAGA
GACTCAGGAGCCCGAGCCTGCACCTGGCACCAGGCTCTCTGGACCTACCGATGAGACGCTGGACTCC
ATAGCACTCCAAAAGCAGCCATGCAGAGGTGACAACAGGGACATTGGCTTGGAGGCTGACCCAGGACCCC
CCAGCCTCCCTGTTCCCTTGAACCTGTGGACAAACATGGGAGCTCGGCGTCCCTCCAGGGCACTGGGA
TTACAGCTCAGACGCCTTTTCGTACAGCGGTTGAGGCTCTGGAGCTGAGGACCCAGCCTCGGACACT
CCCCCTGGGCTGGGTCATTGCCACCGACCAGGACGGACTTCTGCATGTTGTCCATGCCAACAGAGGG
TACCTAGGTCTCAGGGCACGGAGGCAGAACTGAATGCCGCTGTCAGGCCCTGACTCTGACCCACCAAA
TGCTGTGGCTTCCAGTCTCCCTTCTCCATGCCTCTCTGGACAGGAGTCCAGCTCATAGCCCCCA
CGGACACCAACCCTGGAGCTTCTGACTGCCACTGCCTGTGGGAGCACCAGACATCCATTGATAGTGACA
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TCAGGGCACAGCCTAGA ACTGGCTGCAGCCTGCAGGACGGCTGTATTCCAGATGTCAGGCAGATGAAG
ACGCGCTGGCCAGCAGTTT GAGCAGCCAGATCCTGCCAGGAGGTGGCGGAGGGGGTCTGGAAGTCTAG
CTTCACCTATCTGCTGCTGGACCCAGGGAGACTCAGGACCTGCCAGCCGAGCCTTCTCACTGACCCCA
GCTGAGCGCCTTCAGACTTTTATCCGTGCCATCTTCTACGTGGGCAAAGGGACGAGGGCCCGCCATATG
TCCACCTCTGGGAGGCCCTTGGTACCATGGGCGGTCAAGAAAACAGCCCCACCAGGCTGCCCAAGGT
GCGTCAGATCTTGACATCTGGCCAGTGGTTGCGGTGTTGTGTCCCTACATTGCTTCCAGCACGTGGTC
GCTGTGGAGGCTTATACAGGGAGGCGTGTATTGTGGAAGCCCTAGGGATCCAGACGCTCACCAACCAGA
AGCAAGGGCACTGCTATGGAGTGGTGGCAGGCTGGCCACCTGCTCGTCCGCGCGCTTGGGGGTGCACCT
GCTGCACCGTGCCTCCTTGTCTTCTGGCTGAAGGCGAGCGACAGCTTCATCCCAGGACATCCAGGCC
CGGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

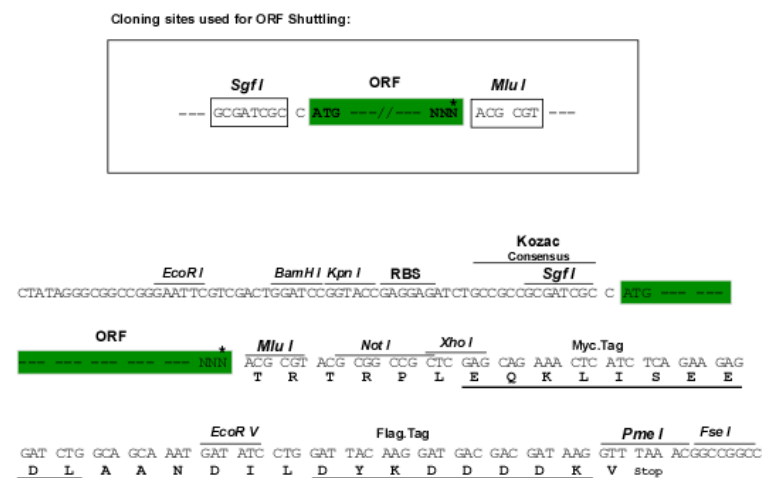
Protein Sequence: >RC239158 representing NM_001278443
Red=Cloning site Green=Tags(s)

MWTPVRRGAAWLGTLLGPGEGPPEPRGGAHAHKPPAGSRKSTDQAVRFGPSQGMCEARLARRAVEELL
 RCGADPNLVLEDGAAAVHLAAGARHPRGLRCLGALLRQGGDPNARSVEAL TPLHVAAAWGCRRGLELLLS
 QGADPALRDQDGLRPLDLALQQGHLECARVLQDLDRTRTRTRIGAE TQEPEPAPGTPGLSGPTDETLDL
 IALQKQPCRGDNRDIGLEADPGPPSLVPLETVDKHGSSASPPGHWDYSSDASFV TAVEVSGAEDPASDT
 PPWAGSLPPTRQGLLHVVHANQRVPRSQTAEELNARLQALTLTPPNAAGFQSSPSSMPLDRSPAHSPP
 RTPTPGASDCHCLWEHQTSIDSDMATLWLTEDEASSTGGREPVGPCRHLPVSTVSDLELLKGLRALGPEF
 SGHSLELAALRTGCIPDVQADEDALAQQFEQDPARRWREGVVKSSFTYLLLDPRETQDLPARAFSLTP
 AERLQTFIRAIFYVYKGTARPVYHLWEALGHHGRSRKQPHQACPKVRQILDIWASGCGVSLHCFQHV
 AVEAYTREACTIVEALGIQTLTNQKQGHGCVVAGWPPARRRRLGVHLLHRALLVFLAEGERQLHPQDIQ
 RG

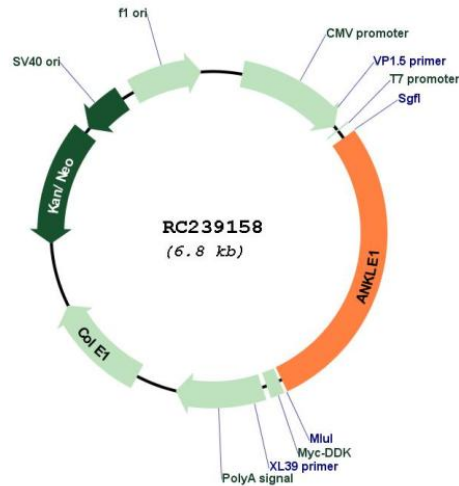
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001278443

ORF Size: 1896 bp

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: [NM_001278443.1](#), [NP_001265372.1](#)

RefSeq Size: 3107 bp
RefSeq ORF: 1737 bp
Locus ID: 126549
UniProt ID: [Q8NAG6](#)
Cytogenetics: 19p13.11
MW: 68.5 kDa
Gene Summary: Endonuclease that probably plays a role in the DNA damage response and DNA repair.
[UniProtKB/Swiss-Prot Function]