

Product datasheet for **RG214643**

ANKLE1 (NM_152363) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKLE1 (NM_152363) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANKLE1
Synonyms:	ANKRD41; LEM3; LEMD6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG214643 representing NM_152363
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGCTCGGAGGCCCGCTGGCTCGCAGTTGCGGGATGCGCTGCGGGAGGAGGCCGTGGGCAGTAG
 AGGAGCTGCTGCGCTGCGGCGCGACCCTAATTTGGTGTAGAGGACGGCGCAGCGGCTGTGCACCTGGC
 GGCCGGAGCCCGCACCCGCGCGCCTGCGTTGCTCGGGGCCCTACTGCGCAAGGCGGGGACCCCAAC
 GCTCGATCTGTCGAGGCACTGACGCCGCTGCATGTGGCCGCCGCTGGGCTGCCGCCGCGGCTGGAGC
 TGCTGCTGAGCCAAGGAGCGGACCCGGCGCTGCGCGACCAGGACGGACTCCGGCCGCTGGACCTGGCCCT
 GCAGCAGGACACCTGGAGTGCAGCGGAGTCTGCAGGATCTCGACACCGGACCAGGACCCGGACCCGG
 ATCGGGGACAGACTCAGGAGCCCGAGCCTGCACCTGGCACCCAGGCCTCTCTGGACCTACCGATGAGA
 CGCTGGACTCCATAGCACTCCAAAAGCAGCCATGCAGAGGTGACAACAGGGACATTGGCTTGGAGGCTGA
 CCCAGGACCCCGAGCCTCCCTGTTCCCTTGAAGTGTGGACAACATGGGAGCTCGGCGTCCCCTCCA
 GGGCACTGGGATTACAGCTCAGACGCCTTTTCGTACAGCGGTTGAGGTCTCTGGAGCTGAGGACCCAG
 CCTCGGACACTCCCCCTGGGCTGGGTCATTGCCACCGACCAGGACGGGACTTCTGCATGTTGCCATGC
 CAACCAGAGGGTACCTAGGTCTCAGGGCACGGAGGAGGAGAACTGAATGCCCGTCTGCAGGCCCTGACTCTG
 ACCCCACCAAAATGCTGCTGGCTTCCAGTCTCCCTTCTCCATGCCTCTCTGGACAGGAGTCCAGCTC
 ATAGCCCCCACGGACACCAACCCTGGAGCTTCTGACTGCCACTGCCTGTGGGAGCACCAGACATCCAT
 TGATAGTGACATGGCCACGCTCTGGCTGACAGAGGATGAGGCAAGCTCTACAGGTGGCAGGGAACCTGTC
 GGCCCTTGCCGGCACCTGCCAGTCTCCACTGTGCTGACTTGGAGTTGCTGAAGGGACTCCGAGCATTG
 GTGAGAATCCTCACCCATCACACCTTCACCAGGCAGTTGTACCACCAGCAGCTGGAAGAAGCCAGAT
 TGCTCCTGGCCAGAGTTTTAGGGCACAGCCTAGAACTGGCTGCAGCCCTGCGGACGGGCTGTATTCCA
 GATGTCCAGGCAGATGAAGACGCGCTGGCCAGCAGTTTGAAGCAGCCAGATCCTGCCAGGAGGTGGCGGG
 AGGGGGTCTGAAGTCTAGCTTACCTATCTGCTGCTGGACCCAGGGAGACTCAGGACCTGCCAGCCCG
 AGCCTTCTCACTGACCCAGCTGAGCGCCTCAGACTTTCATCCGTGCCATCTTCTACGTGGGCAAGGG
 ACGAGGGCCCGGCATATGTCCACCTCTGGGAGGCCCTTGGTACCATGGGCGGTCAAGAAAACAGCCCC
 ACCAGGCCTGCCCAAGGTGCGTCAGATCTGGACATCTGGCCAGTGGTTCGGGTGTTGTGTCCCTACA
 TTGCTTCCAGCACGTGGTCTGTGGAGGCTTATACACGGGAGGCGTGTATTGTGAAGCCCTAGGGATC
 CAGACGCTACCAACCAGAAGCAAGGGCACTGCTATGGAGTGGTGGCAGGCTGGCCACCTGCTCGTCGCC
 GCGCTTGGGGGTGCACCTGCTGCACCGTGCCTCCTTGTCTTCTGGCTGAAGGCGAGCGACAGCTTCA
 TCCCCAGGACATCCAGGCCCGGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG214643 representing NM_152363
 Red=Cloning site Green=Tags(s)

MCSEARLARLRDALREEEPWAVEELLRCGADPNLVLEDGAAAVHLAAGARHPRGLRCLGALLRQGGDPN
 ARSVEAL TPLHVAAWGCRRLLELLLSQGADPALRDQDGLRPLDLALQQGHLECARVLQDLDRTRTRTR
 IGAETQEPEPAPGTPGLSGPTDETLDSIALQKQPCRGDNRDIGLEADPGPPSLPVPLETVDKHGSSASPP
 GHWDYSSDASFVTAVEVSGAEDPASDTPPWAGSLPPTRQGLLHVHVNQRVPRSQGTAEELNARLQALTL
 TPPNAAGFQSSPSMPLLDSPAHSPRPTPTPGASDCHLWEHQTSIDSDMATLWLTEDEASSTGGREP
 GPCRHLPVSTVSDLELLKGLRALGENPHPIPTFTRQLYHQLEEAQIAPGPEFSGHLELAAALRTGCIP
 DVQADEDALAQQFEQDPARRWREGVVKSSFTYLLLDPRETQDLPARAFSLTPAERLQTFIRAIFYVKGK
 TRARPYVHLWEALGHHGRSRKQPHQACPKVRQILDIAWASGCGVVS LHCQHVVAVEAYTREACTIVEALGI
 QTLTNQKQGHYGVVAGWPPARRRRLGVHLLHRALLVFLAEGERQLHPQDIQARG

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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_152363.6
RefSeq Size:	3217 bp
RefSeq ORF:	1848 bp
Locus ID:	126549
UniProt ID:	Q8NAG6
Cytogenetics:	19p13.11
Gene Summary:	Endonuclease that probably plays a role in the DNA damage response and DNA repair. [UniProtKB/Swiss-Prot Function]