

Product datasheet for **RG239080**

ANKLE1 (NM_001278445) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKLE1 (NM_001278445) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RG239080 representing NM_001278445.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCCACAAGCCCCCGCGGAAGTAGGAAATCGACCGACCAGGCGGTGCGCTTCGGACCCAGCCAGG
GCATGTGCTCGGAGGCCCGCTGGCTCGCAGGTTGCGGGATGCGCTGCGGGAGGAGGAGCCGTGTAGAG
GAGCTGCTGCGCTGCGGGCGCGGACCCTAATTTGGTGTAGAGGACGGCGCAGCGGCTGTGCACTTGCGG
GCCGGAGCCCGGACCCCGCGCGCTGCGTTGCTCGGGGCCCTACTGCGCCAAGCGGGGACCCCAAC
GCTCGATCTGTCGAGGCACTGACGCCGCTGCATGTGGCCGCCGCTGGGCTGCCGCCGCGGCTGGAG
CTGCTGCTGAGCCAAGGAGCGGACCCGGCGCTGCGCGACCAGGACGGACTCCGGCCGCTGGACCTGGCC
CTGCAGCAGGGACACCTGGAGTGC GCGGAGTCTGCAGGATCTCGACACGGGACAGGACCCGGACC
CGGATCGGGCAGAGACTCAGGAGCCCGAGCCTGCACCTGGCACCCAGGCCTCTCTGGACCTACCGAT
GAGACGCTGGACTCCATAGCACTCCAAAAGCAGCCATGCAGAGGTGACAACAGGGACATTGGCTTGAG
GCTGACCCAGGACCCCGAGCCTCCCTGTTCCCTTGAAGTGTGGACAAACATGGGAGCTCGGCGTCC
CCTCCAGGGCACTGGGATTACAGCTCAGACGCCTTTTCGTACAGCGGTTGAGGTCTCTGGAGCTGAG
GACCCAGCCTCGGACACTCCCCCTGGGCTGGGTATTGCCACCGACCAGGCAGGGACTTCTGCATGTT
GTCCATGCCAACCAGAGGGTACCTAGGTCTCAGGGCACGGAGGCAGAAGTGAATGCCCGTCTGCAGGCC
CTGACTCTGACCCACCAAAATGCTGCTGGCTTCCAGTCTCCCTTCTCCATGCCTCTCTGGACAGG
AGTCCAGCTCATAGCCCCACGGACACCAACCCTGGAGCTTCTGACTGCCACTGCCTGTGGGAGCAC
CAGACATCCATTGATAGTGACATGGCCACGCTCTGGCTGACAGAGGATGAGGCAAGCTCTACAGTGGC
AGGAACTGTGCGCCCTTCCGGCACCTGCCAGTCTCCACTGTGTCTGACTTGGAGTGGTGAAGGGA
CTCCGAGCACTTGGCCAGAGTTTTAGGGCACAGCCTAGAAGTGGCTGCAGCCCTGCGGACGGGCTGT
ATTCCAGATGTCAGGCAGATGAAGACGCGCTGGCCAGCAGTTTGAAGCAGCCAGATCCTGCCAGGAGG
TGGCGGGAGGGGTCGTGAAGTCTAGCTTACCTATCTGCTGCTGGACCCAGGGAGACTCAGGACCTG
CCAGCCCGAGCCTTCTACTGACCCAGCTGAGCGCCTCAGACTTTCATCCGTGCCATCTTCTACGTG
GGCAAAGGGACGAGGGCCCGCCATATGTCACCTCTGGGAGGCCCTTGGTACCATGGGCGGTCAAGA
AAACAGCCACCAGGCCTGCCCAAGGTGCGTCAGATCTGGACATCTGGGCCAGTGGTTCGGGTGTT
GTGTCCCTACATTGCTTCCAGCACGTGGTCTGCTGGAGGCTTATACACGGGAGGCGTGTATTGTGAA
GCCCTAGGGATCCAGACGCTACCAACCAGAAGCAAGGGCACTGCTATGGAGTGGTGGCAGGCTGGCCA
CCTGCTGCTGCGGGCGCTTGGGGTGCACCTGCTGCACCGTCCCTCTGTCTTCTGGCTGAAGGC
GAGCGACAGCTTCATCCCAGGACATCCAGGCCCGGGG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG239080
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MPTSPPREVGNRPTRRCASDPARACARRPAWLACGMRCGRRSRVEELLRCGADPNLVLEDGAAAVHLA
AGARHPRGLRCLGALLRQGGDPNARSVEALTPLHVAAAWGCRRGLELLL SQGADPALRDQDGLRPLDLA
LQQGHLECARVLQDLDRTRTRTRIGAETQEPEPAPGTPGLSGPTDETLDSIALQKQPCRGDNRDIGLE
ADPGPPSLPVPLETVDKHGSSASPPGHWDYSSDASFVTAVEVSGAEDPASDTPPWAGSLPPTRQGLLHV
VHANQVRPRSQTAEALNARLQALTLTPNAAGFQSSPSSMPLDRSPAHSPPRTPTPGASDCHLWEH
QTSIDSDMATLWLTEDEASSTGGREPVGPCRHLPVSTVSDLELLKGLRALGPEFSGHSLELAALRTGC
IPDVQADEDALAQQFEQDPARRWREGVVKSSFYLLLDPRETQDLPARAFSLTPAERLQTFIRAIFYV
GKGTARPYVHLWEALGHHGRSRKQPHQACPKVRQILDIVASGCGVSLHCFQHVVAVEAYTREACTIVE
ALGIQTLTNQKQHCHYGVVAGWPPARRRRLGVHLLHRALLVFLAEGERQLHPQDIQARG
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE
SVIFTDKIIIRSNATVEHLHPMGDNDLDGFSFTRFSLRDGGYSSVVDSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001278445

ORF Size: 1833 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).

RefSeq: [NM_001278445.1](#), [NP_001265374.1](#)

RefSeq Size: 3135 bp

RefSeq ORF: 1728 bp

Locus ID: 126549

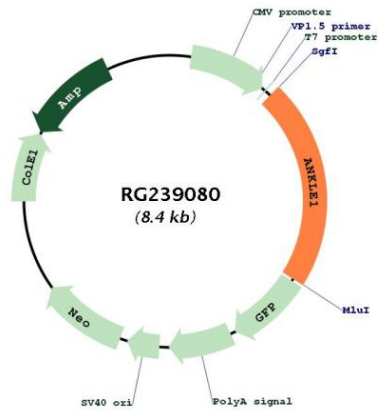
UniProt ID: [Q8NAG6](#)

Cytogenetics: 19p13.11

MW: 66.6 kDa

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

Product images:



Circular map for RG239080