

Product datasheet for **MC217650**

Ankle1 (NM_172756) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankle1 (NM_172756) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ankle1
Synonyms:	8430438L13Rik; Ankrd41; C430003I23; Lem3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217650 representing NM_172756
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGATACTGCATGCTTGGCTCTGAGGCTGCTAGCAGCACTACGCGAGGAGGAGCGCGGGCTGTGG
 AGGAGCTGCTGCGCCTCGGAGCGGACCCCAACCTGGTGTGGACGATGGCGCTGCGGCGGTGCACCTGGC
 AGCCAGAGCGAGCCACCCGCGCGCCTGCATTGCCTTCGGATGCTGCTGCGCTGGGGAGCGGATCCCAAT
 GCTCGGTCCGCGGAGGGGCTGACGCCTGTGCATGTGGCTGCCGCGTGGGCTGTTGTGGTCTCTGGAGT
 TGCTGCTGAGCCGAGGAGGTGACCCCACTGCGGGACCAGGATGGGCTCAGGCCCTGGACTGGGCACT
 ACAGCAGCGACACCACAACCTGCGCACGAGTGTGCAGGAGCTGGACACGCCACCCAGCCTGATGAGACC
 CGAGAACCACAGAGACGTTTCATGTAGCCAGGGTAGCTTTGAAACTGAAACATGCCAAGGACCTGCCT
 TAGCAGAGTCTTCTGGAGTTTCTCAAGATTCGGAGTTGCACGTGCATAGAGCTGAGCTGGAGGTGGAGGC
 TGTAGAGTGGCTGTGCATCCCCAGAGCTCTGAGGCCACCGAGAACTCAGACTACAGCAGCGATGCTTCG
 TTTGTCAGTGCAGTGGAGGACTCTCTGCAGCCCGGGCGCCCTGGGGGGGATTGGAGCTAGTGGCTGGCT
 TGTGGGTAAACCCGTGGGGCTGTGTGAGCTGGGAAGGGAGCACCCAACCTGCCAGCCGAGGTCCTGACATT
 GACTGCAAGGGACACGGACAAACCCGACTGCCTGGTGTGGGATCTGGGGGCTTTGCACCCCAACAGT
 TCGGTGCCCCCATGTCCGATCTGCAGCTCCTCCAGGCCCTGCGGGCGCTGGGCTATAGCCCTGGACCCG
 TCACACCTTTCACCAGAGGACACTATCTACGGCGGCTGCAGGAAGCCAGGCTAGCCGTGCTGATGTAGG
 GCATAGCCAAGAAGTGGCGGAGGCACTAAGGACAGGCACCATCCCTGACTGCCAGGTGGATGAGGAAGCC
 CTGGCTCAGTGCCTTCAGCGGCTGGATCCCTTGAAGAAGTGGCGGAAGGCATTACAAGTCTAGTTTTA
 CGTATCTACTTCTCGACCCAGGCTGACGAAGGACCTGCCGGCCGAGCCTCTTCCCTCACACTGGCTGA
 GTGTCTGCAATGTTTCGTGAGAGCCATCTTCTATGTGGCAAGGGAACCCGAGCCCGACAGATGCCAC
 CTCTGGGAAGCCTTTGGCTACCATGACCAGCAAGGAAACAGGTCTGTCCAAGGTTCCGCCGATCTTAG
 ACATCTGGGCTAGTGGCCGGGCATCATCTCTCTGCACTGCTTCCAGCATGTGGTGGCCATGGAAGCGTA
 CACTCGGGAAGCCTGTCTGTTGGATGCCCTAGGTCTCCAGACACTGACCAACCAGAAACAAGGGCACTAC
 TATGGAGTGGTTGCCATTGGCCACCCTCTCGGCGTGGCGTGGGGGTGCACCTGCTACAGCGTGCTC
 TGCTGGTCTTCTGGCTGAGGGGAGAGAGAGCTGAGGCCTCAGGACATTCAGGCTCGAGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_172756

Insert Size: 1605 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_172756.3](#), [NP_766344.2](#)

RefSeq Size: 2772 bp

RefSeq ORF: 1605 bp

Locus ID: 234396

UniProt ID: [A8VU90](#)

Cytogenetics: 8 B3.3

Gene Summary: Endonuclease that probably plays a role in the DNA damage response and DNA repair. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).