

Product datasheet for **MC229226**

Ankle2 (NM_001253814) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankle2 (NM_001253814) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ankle2
Synonyms:	1110001J12Rik; A1661024; D5Ertd585e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC229226 representing NM_001253814
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGTGGCAGCGGCTGGCTGTGGTGGAGTGGCGGCCCTGGCCTGGGAGCTCCTGGGCGCCTCGGTGC
 TGTTTCATCGCCGTGCGCTGGCTGGTCCGCCGGCTAGAGAAGCGCCGCGGGACCTGAACCGTTGCGGGAC
 GCTCTCCTCTCCGCCAGCGCTCTGAAGCGGTGGCCGCACAGCCAGGTGAAGTGACAATGGATGCCATG
 ATGGCTCGACTGAACTCTTGAATCCAGATGACCTTAGAAAAGAAGTTATGAAAGCTGGACTTAAATGTG
 GACCCATTACATCAACAACAAGATTTATTTTTGAGAAGAAATTAGCTCAGGCCTTACTGGAACAAGGTGG
 ATTGCTGACCTTCCCTTCCCAAGCCAGCGCGTTACTGCCATGGCATTATCCAGGGCACCTCAAGG
 ACTCCTCCATCTGTGGACGGAAACAACTCAGCAGGCCTGTTTTCTGAAGACAGAGATTTGGTTACA
 GTGTGGGCTTGAACCTCCAGAAGAGGAAGCGGTAGCATCCAGTGTCCACCCAGTACCCTCAGTGCCTC
 TACCAGGAATGACAACCACAAGGCTGGAGTGACAGCTCCTAAGGAGCCACTTGTGTACTATGGAGTGTGT
 CCAGTATATGAGGATGGCCCTGTGAGACATGAGAGGATCCATGTTTACGAAGATAAAAAGGAAGCTTAC
 AAGCTGCCAAGTTGATCAAAGGGTCCCGGTTTAAAGCTTTTGAACAAGAGAAGATGCTGAGAAATTTGC
 TAGAGGGATATGTGATTATTTACCTTCTCCAACAAAACCTACGCCCTTACTGTCTCCTGTGAAGGCAGTG
 CCCCTCGGTGGCAGTGATGGGCTGAAAGCAGATGGCTTGTGCCTGGTGAATCAGAAACAGTAAACAAAAG
 AACGAGCAAACAGTTACAAAAACCCCGTACCCAGGACCTCACGGCAAGCTGCGGAAAGCTGTCGAAAA
 CGGGGAGGAACACACCTTTTCTGATCTTATCTGGAGTAATCCTCGATATCTAATTGGTTCTGGGGACAAC
 CCAACCATTTGACAAGAAGGATGTAGGTACAATGTATGCATGTTGCTGCCAAAGAGAACCAGGCTTCCA
 TGTGCCAGCTGACATTAGAGACTCTGGAGAACCCTGAGTTTATGCGTCTGATGTACCCAGATGACAACAT
 GGACATGCTACAGAAGCGCATCCTCTACGTTGTTGACCTGTATCTTAATACTCCTGACAAAAGTGGGCTTT
 GATACACCACTGCATTTTCTTGTAAATTTGAAAATGTGGATGTAGTCAATGTGCTTTCTCACACCCTT
 TGATTGTGAAAAACCGAAAGAATAAATATGGTAAAACACCTGAAGAAGTAATTTGTGAAAGAAGCCAAAA
 CAAATCTCCAGCACTGAAAGAAAGGATTAGAGAATACTTAATGGGTCACTACTATGTGCCACTCCTGAGA
 GCAGAAGACACTTCTCCTGTCTTGGGAGCTGTGGTCTCAGACCAGAAAGCTGAAGCCTCAAATACTG
 CCCACTGTAGAAGCAGCCCCAGAGATCCTGTGATGACACTGAGAGCTTTCGTGGGACCTCTGAGTCCATC
 CAAAGCAGAAGATTTTCGAAAGCTCTGGAAAACCCACCTCGAAAGAAAGCAGGCTTCTCCACAGCATC
 AGAAAGTCTGACCAGAACGAGGCAATTGAGAGAGTTGGAAGGAGCTAGCTCATGAGCTGGGGTATCCCT
 GGGTTGAATACTGGGAATTTCTGGGATGTTTTGTTGATCTGTCTCCAGGAAGGCTTGCAAAGACTAGA
 AGAATACCTTATCCAGAAGGAGTTAAGCAAAAAGGCTCAACAAGAAATACGAGAAAATGAAGGCTGCCTT
 CAGGACAGAACCTCAGATTTTGGCAGTGAAAGAAGTACAGCAACTCCATCTCCGTGGGAGCATTCTAG
 ATGGGGATGATGACAGTAGTTTGGAAAGAAATAAAAACAGCAAAATACAGTTCCAAGTCAGAGTCAGCC
 CAAACTGATAAAGTTCCAAACCTCTAAAAGTGGTTCCTTCCCTGGGACAGAAGGTCGACCCTGGAGAA
 ACCTCAGTTGGAACCTACCCAGATAAAGGCAGAAATGGGTTTTGTCACCCTCTAAACCACAGGACTGCAG
 ATGGAAGGGGACTAGAGGCCCAATGGGAGGAGGCCCTTCCACCACCTGTTTCTGTTTTGACTCAAGA
 GTTGAATAAACTGAATTTGCAAAGCCTGGGAGACAGCCTTCATGAGACACCAGATAAAAACGGGAAACTA
 GAGGATGAGGTGCTTCTTCAAGAAAGGTTGCAGCAGACAGTACTTGGTGGCATCTCCTCCTGCCATAG
 CAAGCCTTGGAAAGAAGCAAGTCAGGACCAACTGAGGTGTGAGGCAATGGGTGAAATGCTTTGGG
 CCCTAAGAGCCCCCAACTTGGAGTTCAGGCTGGTCTGGAACCTATACTCTCATCTGCCACGGTAGATTCC
 ACCAAGAGGCTCTTCTGTCTGGAGAGGAACCATCAAACCTAGATCGAGATGTTTTAGCAGCTCTTGAGT
 GTGCGAATATTGACCCTGGTCTGTACCCAGCAATCCACAGATGGAAAAGCACTGTCATGTGCTACTCGCC
 CTCAGACAGACAGAGTTGGCCAAGTCTGCACTCAAAGGGAAGTTCACAACCTGAGTTGGTGGATCTCGAT
 TGCTCTCATAGTGTCTCAGGACGATGCAGTCCAGCTGGTAGCAGCCCAAGTAAAGCCTGGCCACACCTCCT
 CCTCTTCTGGCCTGCACAGCCCTGGACGCTACAGTCCAGCACATGGGAGACACTTCAAAGAGTGGCACA
 CGTGGCCCGACTTGCAGCTCTG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001253814
Insert Size:	2895 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001253814.1 , NP_001240743.1
RefSeq Size:	5259 bp
RefSeq ORF:	2895 bp
Locus ID:	71782
UniProt ID:	Q6P1H6
Cytogenetics:	5 53.4 cM
Gene Summary:	<p>Involved in mitotic nuclear envelope reassembly by promoting dephosphorylation of BAF/BANF1 during mitotic exit. Coordinates the control of BAF/BANF1 dephosphorylation by inhibiting VRK1 kinase and promoting dephosphorylation of BAF/BANF1 by protein phosphatase 2A (PP2A), thereby facilitating nuclear envelope assembly. It is unclear whether it acts as a real PP2A regulatory subunit or whether it is involved in recruitment of the PP2A complex (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>