

Product datasheet for **SC338145**

ANKRD17 (NM_001286771) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD17 (NM_001286771) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKRD17
Synonyms:	GTAR; MASK2; NY-BR-16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001286771, the custom clone sequence may differ by one or more nucleotides

ATGGTGGAGACAGCGGCTGAAATGGAAGCATATGTTCTAGAAGACATTCTTGAGGTGGAGTCTTTCATT
TGGATCAGGATGATTTGGAAAATCCAATGCTGGAACAGCTTCCAAGTTGCTCTTATCAGGTACTGCTGA
TGGTGCAGACCTCAGGACAGTAGATCCAGAAACACAGGCTAGACTGGAAGCTTTACTAGAAGCTGCAGGA
ATAGGAAAATTGTCCACGGCTGATGGTAAAGCCTTTCAGATCCTGAAGTACTTCGGAGGTTGACATCGT
CTGTTAGTTGTGCGTTGGATGAAGCTGCTGCTGCACTTACCCGTATGAGAGCTGAAAGCACAGCAAATGC
AGGGCAGTCGGACAACCGCAGTTTGGCAGAAGCCTGTTGAGAAGGAGATGTAATGCTGTGCGAAAGTTA
CTCATTGAAGGGCGAAGTGTAATGAACACACAGAGGAAGGGGAGAGCCTCCTTTGTTAGCTTGTCTG
CTGGATACTATGAGCTTGACAGGTTTTGTTGGCAATGCATGCAAATGTGGAAGATAGGGGAATCAAAGG
TGACATTACACCTTTAATGGCTGCTGCTAATGGAGGACATGTCAAATTTGTAAGTTGCTGCTAGCTCAT
AAAGCAGATGTTAATGCACAGTCTTCAACAGGCAATACAGCACTTACATATGCTTGTGCTGGAGGCTATG
TAGATGTTGTAAGGTGCTCTTGGAAATCCGGTGCTAGTATTGAGGACCATAATGAAAATGGTCATACCCC
TCTTATGGAAGCTGGAAGTGCTGGACATGTGGAAGTAGCCAGATTGCTGCTAGAAAATGGGGCTGGCATT
AATACGCATTCTAATGAATTTAAGAGAGTGCCCTTACCTTAGCTTGTACAAAGGACACTTAGAGATGG
TGCGATTTCTTTTGAAGCAGGCGCGGATCAAGAGCATAAAACAGATGAAATGCACACTGCTCTGATGGA
GGCTTGATGGATGGCCATGTTGAAGTAGCTAGGTTACTTCTTGACAGCGGTGCCAAGTGAACATGCCT
GCTGATTCATTTGAGTCACCATTAACCTTTGGCTGCATGTGGTGGGCATGTGGAACCTTGGCGCTTTACTTA
TTGAAAGAGGAGCTAGCCTGGAAGAGGTCAATGATGAAGTTATACACCATTGATGGAAGCAGCTCGAGA
AGGACATGAAGAAATGGTGGCATTACTTCTTGGTCAAGGAGCAAATATCAATGCACAGACAGAAGAACT
CAAGAACTGCCTTGACTCTGGCTTGTGTTGGAGGCTTTCTGGAAGTGGCAGACTTTCTAATTAAGGCAG
GAGCCGATATAGAACTAGGTGTTCTACCCCTTTAATGGAAGCTGCTCAAGAGGGTCATTGGAGTTAGT
TAAATACTTATTAGCTGCAGGAGCTAACGTTTCATGCAACAACAGCAACAGGGGATACAGCACTAACATAT
GCCTGTGAAAATGGTCATCTGATGTAGCAGATGTCTTACTTCAGGCAGGCGCAGATCTGGAACATGAAT
CTGAAGGTGGAAGAACTCCTTTAATGAAAGCTGCAAGAGCTGGTCATGTTGTACTGTTCAGTTCTTAAT



[View online »](#)

TAGTAAAGGAGCGAATGTGAATAGAACCACAGCTAATAATGACCATACTGTACTGTCCCTGGCTTGTGCA
 GGGGGTCATCTGGCAGTGGTGGAAGTCTTTTGGCTCATGGGGCAGATCCTACTACCGTTTGAAAGATG
 GCTCAACTATGTTGATAGAAGCAGCAAAAGGTGGCCATACAAGTGTGTTGCTATCTCTTGATTATCC
 TAATAACTTGCTTTCAGCCCCCTCCACCAGATGTCACTCAGTTAACTCCCCATCCCACGATTTAAATAGG
 GCTCCTCGTGTACCAGTTCAGCACTGCCATGGTTGTTCCACCTCAGGAGCCTGACAAACACCTGCCA
 ATGTTGCCACCACTCTTCCATCAGGAATAAAGCTGCTTCTAAACAAAAGTCCAGCAGCCATTTGCCAGC
 AAACAGCCAGGATGTACAGGGTTACATCAACCAATCAGTCTCCAGAGAGCATTGTAGAAGAGGCTCAGGGA
 AAGTTAACAGAACTGGAACAGAGGATAAAAGAAGCCATAGAAAAGAATGCACAGCTGCAGTCCCTTGGAAC
 TGGCTCATGCTGACCACTTACCAAGGAGAAGATCGAGGAGCTCAACAAAACAAGGGAGGAACAAATTCA
 GAAGAAACAAAAGATTTTGGAGGAAGTACAGAAAGTAGAACGAGAGTTACAAGTAAAACTCAGCAGCAG
 CTAAGAAAGCAGTATCTAGAGGTTAAAGCTCAAAGAATTCAACTTCAGCAACAGCAGCAACAGTCTTGCC
 AACACCTGGGATTACTAACTCCTGTTGGAGTTGGAGAGCAGCTTTCTGAGGGAGACTATGCACGGTTACA
 GCAAGTGGATCCTGTTTTACTTAAAGATGAACCCAGCAGACTGCTGCTCAGATGGGTTTTCGCCAATC
 CAGCCTCTGGCGATGCCTCAAGCTTTCCTCTGGCGGCAGGTCCCTTGCCTCCAGGGTCCATCGAAATC
 TTACAGAACTGCAAGGAGTGATAGTTGGACAGCCAGTACTGGGCCAAGCAGATTGGCAGGGCTGGGGCA
 AGGAATTCCTGACAGAAACACAACAGGGTTAATGGTAGCCAGCCCTGCTCAGACCCTCAATGACACGCTG
 GATGACATCATGGCAGCAGTCACTGGAAGAGCATCTGCAATGTCAACACTCCTACCCACAGTATTGCTG
 CATCCATTTCCCAACCTCAGACTCCAAGTCCATCTCATCTCTCCTTCAGCCATGCTTCTATCTA
 CCCTGCCATTGATATTGATGCACAGACTGAGAGTAATCATGACACGGCGCTAACACTTGCTGTGCTGGT
 GGCCACGAGGAAGTGTACAAACACTGCTAGAGAGAGGAGCTAGTATAGAGCACCAGACAAAGAAAGGTT
 TTAAGTCCACTCATCTTGGCTGCCACAGCTGGTCATGTTGGTGTGTTGGAAATATTGCTGGACAATGGTGC
 AGACATTGAAGCCAGTCTGAAAGAACCAAGGACACCACTCTCCTTGGCTTGTCTGGGGGAAGACAG
 GAGGTGGTGGAGCTATTGTTAGTCTGAGGGGCAATAAAGAGCACAGGAATGTTTCTGATTACACACCTC
 TAAGTCTGGCTGCTTCTGGTGGCTATGTGAACATCATCAAAATATTACTAAATGCAGGAGCTGAGATTAA
 CTCTAGAAGTGGTAGCAATTGGGCATCTCTCCTCTGATGTTAGCAGCTATGAATGGGCATACAGTGTCT
 GTTAAGCTCCTGTAGACATGGGCTCTGACATAAATGCTCAGATAGAAACCAATCGGAACACTGCCCTTA
 CTTTAGCTGCTTCCAAGGAAGAACTGAAGTGGTTAGTCTTCTGCTTGATAGAAAAGCAAAATGTTGAACA
 CAGAGCTAAGACTGGTCTCACACCACTAATGGAAGCTGCCTCTGGTGGATATGCGGAGGTGGGCCGAGTT
 CTTTTGGATAAAGGTGCTGATGTTAATGCCCTCCAGTTCCTCTCAAGAGATACAGCTTTAACCATAG
 CAGCAGATAAAGGGCATTACAAATCTGTGAGCTTCTTATTGGCAGGGGAGCTCATATTGATGTACGTAA
 CAAGAAGGGGAACACTCCATTGTGGCTAGCAGCAATGGTGGACACCTCGATGTGGTTCACTTACTGGTG
 CAAGCAGGTGCAGATGTGGATGCAGCAGATAACCGCAAGATAACTCCTCTATGGCAGCATTTAGAAAGG
 GTCATGTGAAGGTGGTGCCTACTTAGTCAAAGAAGTCAATCAGTTTCCATCAGATTCTGAATGTATGAG
 ATACATAGCAACCATCACTGATAAGGAGATGCTGAAGAAGTGTATCTTTGTATGGAGTCAATAGTACAA
 GCCAAAGATAGACAGGCTGCTGAAGCAACAAAACGCCAGCATTTTGTAGAGGAGTTAGACTTGGAAA
 AGTTAAGGGAAGAAAGTCGGAGGCTGGCTTTGGCTGCGAAAAGAGAAAAAGAGAGAAGAGAAGGAA
 GAAAAAGGAAGAACAAAGAAGGAACTAGAAGAAATTGAAGCCAAAAATAAGAGAACTTTGAATCCAA
 GCTGCTCAAGAAAAAGAAAGCTTAAAGTTGAAGATGAGCCTGAAGTCTTGACAGAACCTCCAAGTGCCA
 CAACCACTACTACCATAGGTATATCTGCAACCTGGACAACCTTTGGCAGGTTCTCATGGTAAAAGAAATAA
 TACCATAACTACAACCAAGTTCAAAGAGGAAAAACAGGAAAAATAAAATTACTCCAGAAAACGTTCAAATT
 ATATTTGATGATCCACTACCAATTTATACAGTCAAGCAGAGAAGGTGAATGGAGAGTCCAAGAGCAGCA
 GTACCAGCGAGAGTGGGACAGTGATAACATGAGGATTTCCAGCTGCAGCGATGAAAGTAGTAACAGCAA
 CAGCAGTCGTAAGAGTGACAATCATTCACCAGCTGTGGTCACTACCACTGTGAGCAGCAAAAAGCAGCCA
 TCAGTTCTTGTTACATTTCAAAGGAAGAGAGAAAAATCTGTTTCTGGCAAGGCTTCAATAAAATTGTCAG
 AAATATCAGTGAAGGGACCAAGTAACTCTATCTACTTGTACAAAATCTGGTCCATCTCCCTTTCTTC
 TCCAAATGGGAAGTTAACAGTAGCAAGTCTAAGCGTGGGCAAAAGAGGGAAGAAGGATGGAAGAAGTT
 GTAAGAAGGTCAAAGAAAGTATCTGTTCCATCAACTGTGATATCCAGAGTGATTGGAAGAGGAGGCTGTA
 ATATCAATGCTATTTCGGGAGTTTACTGGTGCACACATAGATATTGATAAACAGAAAGACAAGACTGGAGA
 CCGGATAATCACTATAAGGGGTGGCACTGAATCAACAAGACAAGCAACTCAATTGATTAATGCTTTGATC
 AAGGATCCAGACAAAGAAATTGATGAACCTATTCCAAAGAATCGTTTGAAAAGCTCCTCAGCAAATTC
 AAATAGGGTCAACAGCACTACCACTGCTGCTAACACTTCCTTAATGGGAATTAATGACAACCTGT
 AGCTCTGCATCAACATCTCAAAGTCCACAGCACTCACTGTGCTGCAATTTCTTCTGCATCCACTCAC

```

AAAACCATTAAGAACCCAGTGAATAATGTGAGGCCTGGTTTTCCAGTTTCTCTTCCATTAGCATATCCTC
CTCCACAGTTTGCACATGCTTTGCTTGCTGCTCAGACTTTCCAGCAGATCCGTCACCAAGGTTGCCAT
GACCCACTTTGGAGGTACTTTTCCACCAGCTCAATCCACTTGGGGTCCGTTTCTGTGTCAGGCCTTTGAGC
CCTGCCAGAGCTACTAATCGCCTAAGCCTCACATGGTGCCTCGCCATAGCAATCAGAATAGCAGTGGTT
CTCAGGTGAATTCAGCAGGTTCTTTAATTCAAGCCCAACAACACAACCAGTTTCATCAGCTTCAACGGT
GCCTGGTACATCTACAAATGGCAGTCCAAGTTCACCTTCTGTCCGAAGGCAGCTTTTGTACAGTTGTG
AAGACATCCAATGCCACCACAACAACAGTCACAACCACGGCAAGCAACAACAACACTGCACCCACAAATG
CCACATATCCTATGCCTACTGCCAAGAACAATATCCAGTATCATCCCCATCTTCCCCATCACCACCAGC
CCAGCCAGGAGGGGTTTCTAGAAACAGCCCTTTGGATTGTGGATCAGCATCTCCAAATAAAGTGGCATCT
TCCTCCGAACAGGAAGCAGGTAGTCCACCAGTAGTAGAAACAACAACACTAGACCTCCAAACAGCAGCA
GTTCTTCTGGGAGTTCATCAGCTCATTCTAATCAGCAACAACCTCCGGGATCTGTTTCTCAGGAACCAAG
ACCACCTCTTCAGCAGTCTCAGGTTCTCCCCCGGAAGTTAGAATGACTGTTCTCTCTTTAGCAACAAGT
TCTGCTCCAGTGGCGGTGCCTTCTACTGCCCCAGTGACTTACCCTATGCCTCAGACCAATGGGATGCC
CCCAGCCTACTCCTAAAATGGAAACCCCTGCTATTAGACCACCCCTCATGGCACAACCTGCCCTCACAA
GAATTCAGCTTCAGTGCAAAATTCATCTGTTGCAGTCTCAGTGTCAATCACATTAAGACCTCACAGT
GTTCCCTCTTCTGTCCAGCTACCTTCGACCTTAAGTACACAAAGTGCTTGTGAGAATTCAGTACATCCAG
CAAATAAGCCTATTGCTCCCAATTTAGTGCCCTTACCATTGTTGGGCCCTTTAGCACATTGTTTAAAA
CAGCCCTACTTCTGCTCATGCCTTCTGGGGAGGATCTGTTGTTTCATCTCAGTCAACACCAGAATCTATG
CTATCAGGAAAATCCTCATATTTGCCAAATTCAGATCCTTTACATCAGTCTGATACTTCCAAAGCTCCAG
GTTTTAGACCACCATTACAGAGACCTGCTCCAAGTCCCTCAGGTATTGTCAATATGGACTCGCCATATGG
TTCTGTAAACACCTTCTTCAACACATTTGGGAACTTTGCTTCAACATTTAGGAGGTGAGATGTACGGA
CCTGGGGCACCCCTTGGAGGAGCACCCGACGTGCTAACTTTAACAGACAACATTTTCCCGCTTAGTT
TGTTGACTCCGTGTTTCATCAGCATCAAATGATTCTTCTGCACAGTCAGTATCCTCGGGAGTTCGTGCACC
ATCTCCTGCCCATCATCAGTACCGTTAGGGTCAGAAAAGCCAGCAATGTGTCTCAGGACAGGAAAGTT
CCAGTCCCTATTGGGACTGAACGTTCTGCACGTATCAGGCAAACTGGAACGTGAGTCCATCTGTTATTG
GGAGCAATTTGTCTACATCAGTAGGACATAGTGGCATCTGGTCTTTGAAGGGATTGGTGGCAATCAAGA
CAAAGTAGACTGGTGTAAACCTGGGATGGGAAATCCTATGATCCACAGACCGATGTCTGACCCAGGAGTA
TTTTACAACATCAAGCAATGGAGCGAGATAGTACAGGAATTGTAACCTCTTCTGGTACATTCCATCAGC
ATGTTCTGCAGGCTACATGGACTTTCCTAAAGTTGGGGGTATGCCTTTTCTGTGTATGGGAATGCAAT
GATTCCTCCAGTAGCACCTATCCCTGATGGTGTGGAGGACCATATTTAATGGCCCTCATGCTGCAGAC
CCTTCTTGAACACTACTGATAAAGATGGTTTCCAGCTCCACGGAAAATAATGGCCCTCAAACGGTGTGGA
CTGGACCTGGGCACCTCACATGAACAGTGTGCATATGAACCAGCTTGGCTGA

```

Restriction Sites:

Sgfl-MluI

ACCN:

NM_001286771

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:	<u>NM_001286771.2, NP_001273700.1</u>
RefSeq Size:	9830 bp
RefSeq ORF:	7473 bp
Locus ID:	26057
UniProt ID:	<u>O75179</u>
Cytogenetics:	4q13.3
Gene Summary:	The protein encoded by this gene belongs to the family of ankyrin repeat-containing proteins, and contains two distinct arrays of ankyrin repeats in its amino-terminal region, one with 15 ankyrin repeats, and the other with 10 ankyrin repeats. It also contains a nuclear export signal, nuclear localization signal, and a cyclin-binding RXL motif. Localization of this protein to the nucleus has been shown experimentally, and interactions between this protein and cyclin-dependent kinase 2 have been observed. It has been suggested that this protein plays a role in both DNA replication and in both anti-viral and anti-bacterial innate immune pathways. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015] Transcript Variant: This variant (3) differs in its 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant a. The encoded isoform (c) has a distinct N-terminus and is shorter than isoform a.