

## Product datasheet for **SC318925**

### ANKRD53 (NM\_001115116) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD53 (NM_001115116) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKRD53
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC318925 representing NM\_001115116.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCTCGCGGGCAGCACCCGCTCGGCCGGCGGGCTCCGGAAGCTGGCACTCAGAAAGGGGAGAAGGG
AGAGGTGCTCGGCCGAGCAACTCCAAGTGGCTCCATGCAGCAGGCGAACAAGTCTCCTTGAAGGCC
ACCTGGACTGACGCGGAGTCCAAGCAGCCAGCCAGCCCCTGCCGACCTCGCAGACCACCTCAGTGCG
CAGGCGACTGCCCTCGCCAGGCCGCGCCGCCCTGCCTCGCTCACCCCGCCCGCGCTGACCCAGCCCC
AGCAAGGAGTCCGACCAGACGGCAATCGACCAGACGGCGATCGGGAGCTACTACCAGCTGTTGCGAGCG
GCTGTGGCAACGTGGAATGGCTGCGATTCTGTCTGAACCAGAGCCTCAGGAAAATCCCCACCGACGAC
AAGGGCTTCACTGCCATCCACTTCGCCGCCAATGGGGCAAGCTTGCATGCCTGCAGGTCCTGGTAGAG
GAGTACAAGTTTCCCGTGGACCTGCTGACCAACAATAGCCAGACACCCCTGCACCTCGTCATCCACAGG
GACAACACCACCGTGGCCCTCCCCTGCATCTACTACCTGCTGGAGAAAGGCGCAGACCTCAATGCTCAG
ACATGCAACGGCTCCACGCCCTGCACCTGGCAGCCCGTACGGCTTGGTGGACTGTGTGAAGGTCCTG
GTGCAGAGTGGCCCAAGTCCATGCCCAAGATGCCATGGGCTACAAACCCATTGACTTCTGCAAAATA
TGGAAACCACCGTGCCTGTGCCCGGTTCTTGAAGGATGCCATGTGAAAAAGGACAAGAAGGACTTTGCC
CGTGAGATGACGAAAATGAAGATGTTCAAGAGCCAGCTGACCCTCATGGAGCACAACTACCTGATTGAG
TATCAAAAAGAGCACAAAATTCTCAGAGAAGCTGCTATCAGAAAGTGGTCCACGGCAAGCTGCACCCA
GGCCACTCTCTGGTCTCCAATACCAAGCAAGCCCGGGCCACCGCCCTCTCCAAGACCCAGAGCAACGG
GAATCGCAGCGTTCAGGAGCTTCCACCCTCTGTGGATGCACGCTGCAATGCATTCCACAGCCACG
GAGATGCCCAAGCCATCTACAGGAAGCCACGGTCAAGCGGCCACAATGTGGAATGTTAGCAACAAC
CCCGCCAGACCCCCACCCAGATCAGCCACTCGCAGGGCATCCGCCCTGGGCGTGCATCCAGACCCC
ACTCCGGAGCACGACTTCAGCAGCTTCTGGAGGTGAGGCTGATGGGCACGGCGGTGCGCGGCTGCAC
ACAGTGGACGGCCACTGGGTGGCGCCCGTGCAGCGGCTGCCTTTTGGAGTGTGCTGCGCATGCTGTAC
CCACGTGTATGGCCATACAGAATGAAGGTGCCCGAGGGCTTTTACCCCATCAGCATGAGGGAAGTGGCC
AGGAAGCGGCACCTGGGTGACAACACCTTCTGGACCGACACTCTGGCCATGAACCTGCGTGACACATTC
GATGAAGCCTTCTGGCAGCTGTGCGATCTCATCAAGGACTCCCCACCCTGCCCTCCCCACAACCAAC
CCATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:** □

**ACCN:** NM\_001115116

**Insert Size:** 1593 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_001115116.1](#)

**RefSeq Size:** 1993 bp

**RefSeq ORF:** 1593 bp

**Locus ID:** 79998

**UniProt ID:** [Q8N9V6](#)

**Cytogenetics:** 2p13.3

**MW:** 59.6 kDa

**Gene Summary:** Required for normal progression through mitosis. Involved in chromosome alignment and cytokinesis via regulation of microtubules polymerization.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.