

## Product datasheet for **SC332314**

### ANKRD11 (NM\_001256182) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ANKRD11 (NM\_001256182) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ANKRD11  
**Synonyms:** ANCO-1; ANCO1; LZ16; T13  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332314 representing NM\_001256182.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

ATGCCAAGGGTGGGTGCCCTAAAGCACACAGCAGGAAGAGCTTCCCCTCAGCAGCGACATGGTGGAG
AAGCAGACTGGGAAAAAGGATAAAGATAAAGTTTCTCTAACCAAGACCCCAAACTGGAGCGTGGCGAT
GGCGGGAAGGAGGTGAGGGAGCGAGCCAGCAAGCGGAAGCTGCCCTTACCGCGGGGCCAATGGGGAG
CAGAAGGACTCGGACACAGAGAAGCAGGGCCCTGAGCGGAAGAGGATTAAGAAGGAGCCTGTCACCCGG
AAGGCCGGCTGCTGTTGGCATGGGGCTGTCTGGAATCCGAGCCGGCTACCCCTCTCCGAGCGCCAG
CAGGTGGCCCTTCTCATGCAGATGACGGCCGAGGAGTCTGCCAACAGCCAGTGGACACAACACCAAAG
CACCCCTCCCAGTCTACAGTGTGTGAGAAGGGAACGCCCAACTCTGCCTCAAAAACAAAGATAAAGTG
AACAAAGAGAAACGAGCGTGGAGAGACCCGCTGCACCGAGCCGCCATCCGCGGGGACGCCGGCGCATC
AAAGAGCTCATCAGCGAGGGGGCAGACGTCAACGTCAAGGACTTCGCAGGCTGGACGGCGTGCACGAG
GCCTGTAACCGGGGCTACTACGACGTGCGAAGCAGCTGCTGGTGCAGGTGCGGAGGTGAACACCAAG
GGCCTAGATGACGACACGCCTTTGCACGACGCTGCCAACACGGGCACTACAAGTGGTGAAGCTGCTG
CTGCGGTACGGAGGGAACCCGACGAGCAACAGGAAAGGCGAGACGCCGCTGAAAGTGGCCAACCTCC
CCCACGATGGTGAACCTCCTGTTAGGCAAAGGCACTTACACTCCAGCGAGGAGAGCTCGACGGAGAGC
TCAGAAGAGGAAGACGCACCATCCTTCGCACCTCCAGTTCAGTCGACGGCAACAACACGGACTCCGAG
TTCGAAAAAGGCCTCAAGCACAAGGCCAAGAACCAGAGCCACAGAAGGCCACGGCCCCCGTCAAGGAC
GAGTATGAGTTTGTGAGGACGACGAGCAGGACAGGGTTCCTCCGGTGGACGACAAGCACCTATTGAAA
AAGGACTACAGAAAAGAAACGAAATCCAATAGTTTTATCTCTATACCCAAAATGGAGTTAAAAGTTAC
ACTAAAAATAACACGATTGCACCAAGAAAGCGTCCCATCGTATCCTGTGACACAGTCCGGACGAGGAG
GACGCGAGTGTACCGTGGGGACAGGAGAGAAGCTGAGACTCTCGGCACATACGATATTGCCTGGTAGT
AAGACACGAGAGCCTTCTAATGCCAAGCAGCAGAAGGAAAAAAATAAAGTAAAAAGAAGCGAAAGAAA
GAAACAAAAGGCAGAGAGGTTGCTTCGAAAAGCGGAGCGACAAGTTCTGCTCCTCGGAGTCGGAGAGC
GAGTCTCAGAGAGTGGGAGGATGACAGGGACTCTGCGGAGCTCTGGCTGCCTCAAGGGGTCCCCG
CTGGTGTGAAGACCCCTCCCTGTTGAGTCCCTCTCTGCTCCTCCACCTCGTCTCACGGGAGCTCT
GCCGCCAGAAAGCAGAACCCAGCCACACAGACCAGCACACCAAGCACTGGCGGACAGACAATTGAAA
ACCATTTCTTCCCGGCTTGGTCAGAGGTGAGTCTTTATCAGACTCCACAAGGACGAGACTGACAAGC
GAGTCTGACTACTCTCTGAGGGCTCCAGTGTGGAATCGCTGAAGCCAGTGAAGGAGGAGGAGCAGC
AGGAAGCGAGCCTCCCTGTGCGGAGAAGAAGAGCCCTTCTGTCCAGCGCGGAGGGCGCTGTCCCAAA
CTGGACAAGGAGGGGAAAGTTGTCAAAAAACATAAAAACAAAACACAAAACAAAAACAAGGAGAAGGGA
  
```



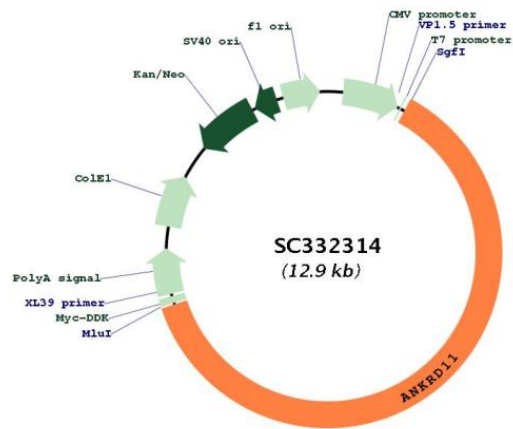
[View online »](#)

CAGTGTCCATCAGCCAAGAGCTGAAGTTGAAAAGTTTTACTTACGAATATGAGGACTCCAAGCAGAAG  
 TCAGATAAGGCTATACTGTTAGAGAATGATCTTTCCACTGAAAACAAGCTAAAAGTGTTAAAGCACGAT  
 CGCGACCACTTTAAAAAGAAGAGAACTTAGCAAAATGAAATTAGAAGAAAAAGAAATGGCTCTTTAAA  
 GATGAAAAATCACTGAAGAGAATCAAAGACACAAACAAGACATCAGCAGGTCTTTCCGAGAAGAGAAA  
 GACCGTTTCAATAAAGCAGAAAAGGAGAGATCGCTGAAGGAAAAGTCTCCGAAAGAAGAAAACTGAGA  
 CTGTACAAAGAGGAGAGAAAAGAAGAAATCAAAGACCCGCCCTCAAATTAGAGAAGAAGAAATGATTTA  
 AAAGAGGACAAAATTTCAAAGAGAAGGAGAAGATTTTTAAAGAAGATAAAGAAAAACTCAAAAAGAA  
 AAGGTTTTATAGGGAAGATTCTGCTTTTGACGAATTGTAAACAAAATCAGTTTCTGGAGAATGAAGAC  
 ACCAAATTTAGCCTTTCTGACGATCAGCGAGATCGGTGGTTTTCTGACTTGCCGATTATCCTTTGAT  
 TTCAAAGGGGAGGACAGCTGGGACTCGCCAGTGACAGACTACAGGGACATGAAGAGCGACTCTGTGGCC  
 AAGCTCATCTTGAGACGGTGAAGGAGGACAGCAAGGAGAGGAGCGGGACAGCCGGGCCGGGAGAAG  
 CGAGACTACAGAGAGCCCTTTCCGAAAGAAGGACAGGGACTATTTGGATAAAAATCTGAGAAGAGG  
 AAAGAGCAGACCGAAAAGCATAAAAGTGTCCCTGGCTACCTTTCCGAAAAGGACAAGAAGAGGAGAGAG  
 TCCGCAGAGGCCGGGCGGACAGAAAGGACGCCCTGGAGAGCTGCAAGGAGCGCAGGACGGCAGGGCC  
 AAGCCCGAGGAGCGCACCGGGAGGAGCTGAAGGAGTGTGGCTGCGAGAGTGGCTTCAAGGACAAGTCC  
 GACGGCGACTTTGGGAAGGGCCTGGAGCCGTGGGAACGGCACCCAGCACGAGAGAAGGAGAAGAAG  
 GATGGCCCGATGAAGAAAGGAAGGAGAAGACAAAACCAGAAAGATACAAAGAGAATCCAGTGACAAG  
 GACAAAAGTGAGAAATCAATCCTGGAAAATGTCAAGAGACAAAGAATTTGATAAATGTTTTAAAGAG  
 AAAAAAGATACCAAGGAAAAACATAAAGACACACATGGCAAAGACAAAGAAAGGAAAGCGTCTCTCGAC  
 CAAGGGAAAGAGAAGAAGGAGAAGGCTTTCCCTGGGATCATCTCAGAAGACTTCTCTGAAAAAAGAT  
 GACAAGAAAGGCAAGAGAAAAGCTGGTACATCGCAGACATCTTACAGATGAGAGTGAGGACGACAGA  
 GACAGCTGCATGGGAGCGGGTTCAAGATGGGAGAGCCAGCGACTTGCCGAGGACGGACGGCCTCCAG  
 GAGAAGGAGGAAGGACGGGAGGCTATGCCTCCGACAGACAGGAAGTCTTGTACAAGCAGCACCTT  
 GAGAGGCAGAAGGACAAGGACGCCAGAGCAGGAGAAGGACCGAGGGGCTGCCGACGGGGAGAGAC  
 AAAAAAGAGAAAGTCTTTGAAAAGCACAAGGAGAAGAAGGATAAAAGAGTCCACAGAAAAGTACAAGGAC  
 AGGAAGGACAGAGCCTCAGTGGACTCCACGCAAGATAAGAAAAATAAACAGAAGCTCCCCGAGAAGGCT  
 GAAAAGAGCACGCTGCCAAGACAAGGCTAAAAGCAAACACAAAGAGAAGTCCGACAAAGAACATTCC  
 AAGGAGAGGAAGTCTCGAGAAGTCCGACGCGGAAAAAGCCTGCTTGAAGTGGAAAGAGGCT  
 CTCCATGAGTACAGAGAAGACTCCAACGATAAAATCAGCGAGGTCTCTCTGACAGCTTCCAGGACCGA  
 GGGCAGGAGCCGGGCTGACTGCCTTCTGGAGGTCTCTTTCACGGAGCCACTGGAGACGACAAGCCG  
 AGGAGAGCGCCTGCCTCCCTGAGAAGTGAAGAGAAGGAGAGGACAGACTCTCATCTTCCATCC  
 AAGAAGAGCCACGACCGAGAGCGAGCAAGAAAGAGAAGGCCGAGAAGAAAGAGAAGGGCGAAGATTAC  
 AAGGAGGGCGGTAGCAGGAAGGACTCCGGCCAGTACGAAAAGGACTTCTGGAGGCGGATGCTTACGGA  
 GTTTCTTACAACATGAAAGCTGACATAGAAGATGAGCTAGATAAAACCATTGAATTGTTTTCTACCGAA  
 AAGAAAGATAAAATGATCCGAGAGAGAACCTTCCAAGAAAAAGAAAAGGAACTAAAGCCTTATGGA  
 TCTAGTGCCATCAACATCCTAAAAGAGAAGAAGAAGAGAGAGAAAACACAGGGAGAAATGGAGAGACGAG  
 AAGGAGAGGCACCGGGACAGGATGCGGATGGGCTGCTGCGGCATCACAGGGACGAGCTCCTGCGGCAT  
 CACAGGGACGAGCAGAAGCCGCCACCAGGACAAGGACAGCCCGCCCGCGTCTCAAAGACAAGTCC  
 AGGGACGAGGGCCCGAGGCTCGGCGATGCCAAACTGAAGGAGAAATTAAGGACGGTGCAGAGAAGAA  
 AAGGGCGACCCAGTGAAGATGAGCAACGGGAATGATAAGGTAGCGCCATCCAAGACCCAGGCAAGAAA  
 GACGCCAGGCCAGGAGAAGCTCCTGGGGACGGCGACCTGATGATGACCAGTTCGAGAGGATGCTG  
 TCCCAGAAGGACCTGGAGATCGAGGAGCGCCACAAGCGGCACAAGGAGAGGATGAAGCAAATGGAGAAG  
 CTGAGGCACCGGTCCGGAGACCCCAAGCTCAAGGAGAAGGCGAAGCCGGCAGACGAGGGCGGAAGAA  
 GGTCTGGACATCTCTGCTAAGAAACCGCCGGGCTGGACCCTCCATTTAAAGACAAAAGCTCAAAGAG  
 TCGACTCTATTCCACTGCCGCGAAAATAAGCTACACCCAGCATCAGGTGCAGACTCAAAGACTGG  
 CTGGCAGGCCCTACATGAAAGAGTCTGCTGCGTCCCCAGGCTGACCAGAGCCGGCCACTGGC  
 GTGCCACCCCTACGTGGTGCTATCCTGCCCCAGCTACGAGGAGGTGATGCACACGCCAGGACCCCG  
 TCCTGCAGCGCCGATGACTACGCGGACCTCGTGTTCGACTGCGCGGACTCGCAGCACTCCACGCCGTG  
 CCCACCGCTCCCACGCGCCTGCTCCCCCTCTTTTTCGACAGTTTCTCCGTGGCTTCAAGTGGGCTT  
 TCGAAAACGCCAGCCAGGCTCCTGCCAGGCTCTCTCCACAACTTTACCGCTCGGTCTCTGTGAC  
 ATTAGGAGGACCCCGAGGAAGAATCAGCGTCCGAGACAAGCTCTTCAAGCAGCAGAGCGTTCTGCT  
 GCCTCCAGCTACGACTCTCCATGCCACCTCGATGGAAGACAGGGCGCCCTGCCCCGGTTCCCGCG

GAGAAGTTTGCTGCTTGTGCGCCAGGGTACTACTCCCCAGACTATGGCCTCCCGTCGCCAAAGTCGAC  
 GCTTTGCACTGCCACCGGCTGCCGTTGTCACTGTCAACCCGTCTCCAGAGGGCGTCTTCTCAAGTTTA  
 CAAGCAAACCTTCCCCTTCCCCAGAGCCGAGCTGCTGGTTCCCTCCGAAGGGGCCCTTCCCCCG  
 GACCTGGACACCTCCGAGGACCAGCAGGCGACGGCCGCATATCCCCCGGAGCCAGCTACCTGGAG  
 CCGCTGGACGAGGGTCCCTTCAGCGCCGTATCACCGAGGAGCCGTTGAGTGGGCCACCCCTCCGAG  
 CAGGCGCTTGCCCTAGCCTGATCGGGGACCTCTGAAAACCTGTGAGCTGGCCTGTGGGCTCGGAC  
 CTCTGTGAAGTCTCCACAGAGATTCCCCGAGTCCCCAAAGCGTTTCTGCCCGCGGACCCCTCCAC  
 TCTGCCGCCCCAGGGCCCTTCAGCGCTCGGAGCGCCGTACCCGCCCCCTCCCGCCTCTCTGCCCG  
 TACGCTCTGCCCGTCGCTGAGCCGGGGTGGAGGACGTCAAGGACGGAGTGGACGCCGTCGCCCGCC  
 ATCTCCACCTCAGAGGGGCTCCCTACGCCCTCCCTCCGGGCTGGAGTCTTCTCAGCAACTGCAAG  
 TCACTTCCGGAAGCCCCGCTGGACGTGGCCCCGAGCCCGCTGTGTAGCCGCTGTGGCTCAGGTGGAG  
 GCTCTGGGCCCCGAAATAGCTTCTGGACGGCAGCCGCGGCTGTCTACCTCGGCCAGGTGGAG  
 CCGGTGCCCTGGGCGACGCTTCGCCGCCCCGAGGACGACCTGGACCTGGGGCCCTTCTCCCTGCCG  
 GAGCTTCCCCTGCAGACTAAAGATGCCGAGATGGTGAAGCGAACCCTGGAAGAAAGTCTTGCTCT  
 CAGAAGAGATGCCTCCAGGGGCCCGGGGTATAAACGGTGGGGATGTTTCCACCGTAGTGGCTGAG  
 GAGCCCGCGCACTGCCTCCTGACCAGGCTCCACCCGGCTCCCTGCAGAGCTCGAGCCTGAGCCCTCA  
 GGGGAGCCAAAGCTGGACGTGGCTCTAGAAGTGCAGTGGAGGCGGAGACGGTGCCTGGAAGAGGGCC  
 CGTGGGATCCGACTCCAGCGTGGAGCCCGCCGCTTCCCCAGAACAGCGCCCACTGGGGAGCGGA  
 GACCAGGGGGTGAAGGCCCCCGCGCGTCCCTCTGTGCCCTGACGGCCCCGCCCGAAC  
 ACTGTGGCACAAGCTCAGGCCGACAGGTCGCCGCCCCGAGGACGACACTGAGGCTCCCGTCCCGCC  
 GCCCCAGCCGAAGGCCCTCCTGGCGCATCCAGCCGGAAGCCGCAAGCAACCAACCGCCGAAGCC  
 CCGAAGGCCCGAGTGGAGGAGATCCCTCAGCGCATGACCAGGAACCGGGCGCAGATGCTCGGAAC  
 CAGAGCAAGCAGGGCCCCCCCCCTCCGAGAAGGAGTGCGCCCCACCCCTGCCCGGTACCAGGGCC  
 AAGGCCCGCGGCTCCGAGGACGACGACGCCAGGCCAGCATCCGCGCAAACGCCGCTTTCAGCGCTCC  
 ACCCAGCAGCTGCAGCAGCAGTGAACACGTCCACGACGACGCGGGAGGTGATCCAGCAGACGCTG  
 GCCGCATCGTGGACGCATCAAGCTGGATGCCATCGAGCCCTACCACAGCGACAGGGCCAAACCCCTAC  
 TTCGAATACCTGCAGATCAGGAAGAAGATCGAGGAGAAGCGCAAGATCCTGTGCTGTATCAGCCGAG  
 GCGCCCCAGTGTACGCCGAGTACGTACCTACACGGGCTCCTACCTCCTGGACGGCAAGCCGCTCAGC  
 AAGCTCCACATCCCCTGATCGCACCCCTCCCTCCCTGGCGGAGCCCTGAAGGAGCTGTTCAGGCAG  
 CAGGAGGCCGTCCGGGAAAGCTGCGTCTACAGCACAGCATCGAGCGGGAAGCTGATCGTATCCTGT  
 GAGCAGGAGATTCTGCGGTTCACTGCCGGCGGCCAGGACCATGCCAACCAGGCAGTGCATTACAGC  
 GCCTGCACGATGCTGCTGGACTCCGAGGTCTACAACATGCCCTGGAGAGCCAGGGTACGAGAACAAG  
 TAGTGGCGACCGTTTCAACGCCCGCCAGTTCATCTCCTGGCTCCAGGACGTGGATGACAAGTATGAC  
 CGCATGAAGACTTGCCTCCTCATGCGGCAGCAGCAGGCGCGGCCCTGAACGCCGTGCAGAGGATG  
 GAGTGGCAGTGAAGGTGCAGGAAGTGGACCCCGCGGCGACAAGTCCCTGTGCGTGAACGAGGTGCC  
 TCCTTCTACGTGCCCATGGTCGACGTCAACGACGACTTGTATTGTTGCCGGCATGA

**Restriction Sites:**

Sgfl-Mlul

**Plasmid Map:**


**ACCN:** NM\_001256182

**Insert Size:** 7992 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\\_001256182.1](#)

**RefSeq Size:** 9381 bp

**RefSeq ORF:** 7992 bp

**Locus ID:** 29123

**UniProt ID:** [Q6UB99](#)

**Cytogenetics:** 16q24.3

**MW:** 297.9 kDa

**Gene Summary:** This locus encodes an ankryin repeat domain-containing protein. The encoded protein inhibits ligand-dependent activation of transcription. Mutations in this gene have been associated with KBG syndrome, which is characterized by macrodontia, distinctive craniofacial features, short stature, skeletal anomalies, global developmental delay, seizures and intellectual disability. Alternatively spliced transcript variants have been described. Related pseudogenes exist on chromosomes 2 and X. [provided by RefSeq, Jan 2012]  
Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein.