

Product datasheet for **SC319961**

ANKRD6 (NM_014942) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD6 (NM_014942) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKRD6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```

>OriGene sequence for NM_014942.2
GCGCTGCCTGGCGCGCGGGCGGCTGGAGGCACGGCGCTGGGCGGCGCCGAGGCCCTGGGG
CCGCCGGAGCCAGCGGGAGCCAGTCCCCGTCTTCGCCCTCGCCCCACCGTGTGCGCC
GCCTTGGTCCCTGCGGCGCGGACGTCCGGCGGGGAGAGAAAGTCCCGAAGATGGCATA
TTCATAAAGACATCTTCTGATGATTGTGAACATCTTTACCTCTGGGTGCCAGGCCGGGCC
AGTGACTTCGTGTTGAGCTGAAGGAACTGTCTACCGCTTCCCTGAAAACCTTTCTTTCC
TAATTCATGAGCCAGCAAGATGCGGTCGCTGCACCTTCAGAGCGCCTTCTCGTAGCTGCG
TACAAAGGCCAAAACAGAGAATGTGGTTCAGCTCATCAACAAGGGCGCCAGGGTAGCGGTT
ACCAAGCATGGCCGGAATCCCCTGCATCTTGTGCAATTAAGGGCCATCTTCTGTGGTC
CAGATCTTGTGAAGGCTGGCTGCGACCTTGTGTCCAGGATGATGGGACCAGACCGCC
TTGACCCGGGCCACAGTGGTGGGAACACGGAGATCATCGCGGCGCTCATCCACGAAGGG
TGTGCCCTGGACAGACAAGCAAGGATGGGAATACAGCCTTGCATGAAGCATCTGGCAT
GGTTTCAGCCAGTCAGCCAAGCTGCTCGTTAAAGCAGGAGCCAACGTGCTTGCCAAGAAC
AAGGCGGGGAACACAGCTCTGCACCTGGCCTGCCAGAACAGCCACTCCCAGAGCACGCGC
GTCCTCCTGCTGGCCGGTCCCAGCGCTGACCTCAAAAATTAATGCAGGAGACACCTGTTTG
CAGGTTGCTGCGCGCTATAATCACTTGTCCATCATTAGGCTCCTCCTCACTGCTTTCTGT
TCTGTCCATGAAAAGAACCAGGCTGGAGACACAGCACTTCATGTTGCTGCTGCCCTAAAT
CACAAGAAGTGGCCAAAATCTTACTGGAAGCCGGAGCAGATACGACCATTGTTAACAAT
GCAGGCCAGACTCCGCTGGAGACTGCCCGCTACCAATAAACCCGGAAGTTGCTCTTCTC
CTTACTAAAGCTCCCCAGGTCTTGCCTTCAGTCGTGGGCGAAGCCTGAGGAAAAAGAGA
GAGAGGCTCAAGGAAGAGAGGAGAGCCAGTCTGTGCCAAGAGATGAGGTGGCCAAAGC
AAGGGCAGTGTCTCAGCAGGAGACACCCAGCAGTGAACAGGCTGTGGCCAGAAAAGAA
GAAGCCAGAGAAGAGTTCTGTGACGCTCCCGAGAACCCAGAGCAAGGATGACAGGAGG
AGAAAAGTCAAGGCCAAGGTGTGAGCGTTTTCTGACCCACCCAGCCAGCCAGCAACAG
CCTGGACACCAGAAACCTGCATGCTCATAATACCCTAAAAAGAGGAACAGGCATCGG
TGTTTCATCCCCACCCCAACCCATGAGTTCAGGGCGTATCAGCTCTACACATTGTACCGG
GGCAAGGATGGGAAAGTGTGAGGCACCAATAAATGGTTGTCGATGTGAACCTTAATC
AACAGCTGGAGAATCAGTTGGAGGCTACTGTGGAGGAGATAAAGCAGAGCTGGGATCG
GTTGAGGACAAAATGAATACAAAGCTGGGCGAGATGGAGAATAAGACCCAGCACCAATG
CGTGTGTTTGGACAAGCTGATGGTTGAGCGACTTCTGCAGAGAGGACGGAGTGCCTGAAC
CGCTGCAACAGCACTCAGACACAGAGAAGCATGAGGGGGAGAAACGACAGATATCCTTG
GTGGATGAATAAAAACCTGGTGCATGTTAAAGATTGAGAATCTGGAGCAGAAAGCTTTCT
GGAGATCTAGGGCCTGCAGAGCTAAATCCACACCATCTACTTGTGTGGACCAATTAGTG
GTGACTGCAGGTCAGCAGCAGCTTCCGACAGCTCCCCTCCAGTGGTTAGGCCCAAAGAG
AAGGCCCTCAACTCCACTGCTACCCAGAGACTCCAGCAGGAGCTGTCGTCTTCTGACTGT
ACAGGCTCCCGACTGAGAAACGTCAAGGTCCAGACAGCCTTGCTACCCATGAATGAGGCA
GCCAGATCTGATCAGCAGGCTGGGCCCTGCGTCAACAGAGGCACTCAAATAAGAAGTCT
GGGAAGAGTGGGCAACAAGGCATCGTGCCAGCAACCCGAGCCAGCAGCACCTGTGGG
CAGCCGCCACCAGCCACAGGCAGCGAGCACTGGCCCTCACATTCGGGACACCTCCCAA
GCTCTGGAGCTTACCCAGTATTTTTTTGAGGCTGTTTCTACCCAGATGGAAAAGTGGTAT
GAAAGGAAGATTGAAGAAGCACGAAGCCAAAGCCAAATCAGAAAGCCAGCAAGATAAGGCT
ACATTGAAGGAACACATTAAGTTTGAAGAGGAACTTGCCAAACTAAGGACTAGGGTG
CAGAAGGAAAAATAGCACAATAAAGAGGAAATATGAAAGGATTCTGAAGATTTCCAGT
TTTGCAACTGCATAATAGCTATGCCAAGGAGTCAACTATTGTATATATTGCAGATTTGC
CTTTTTAAAAAATCACTAATTCTACAATGTGCCAGATACATGTTTCTATGCCAGGAA
GTTATGAAGACTTCAACAATTAAGTGAACCAGGGGAAGCTTGCTTAGTTTTGGGTTTC
ATTATAAACTCTTAGCCTCAGTCCAGTTAATCTGAAGTTTGAAGCTCAGATTAAGCAA
GCCATGCCAAGAACTGGACGATGTGTAAGCCTAGACTCTAAAATTCAGATGTGTGAAA
TAATATAAGTCAAAGCAAGAAAACGTAATCCCGTCTGAACTCAAGTAGTCATTATAT
AAATTTGAACACACCTGCTGTGCCTAGACAAGTGTCTTCTGTAAGAGCTGTAACCTGGA
GATGTGCTAAATAAACCTCTTTCTCAAAAAAAAAAAAAAAAAAAAA
    
```

Restriction Sites:	Please inquire
ACCN:	NM_014942
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:	<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_014942.2 , NP_055757.2
RefSeq Size:	2985 bp
RefSeq ORF:	2169 bp
Locus ID:	22881
UniProt ID:	Q9Y2G4
Cytogenetics:	6q15
Domains:	ANK
Gene Summary:	<p>Recruits CKI-epsilon to the beta-catenin degradation complex that consists of AXN1 or AXN2 and GSK3-beta and allows efficient phosphorylation of beta-catenin, thereby inhibiting beta-catenin/Tcf signals.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) has an alternate splice site in the coding region, and the open reading frame is retained, compared to variant 1. The resulting isoform (b) lacks an internal segment, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>