

Product datasheet for **RC234727**

ANKRD6 (NM_001242813) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD6 (NM_001242813) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ANKRD6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC234727 representing NM_001242813
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCAGCAAGATGCGGTGCTGCACTTTCAGAGCGCCTTCTCGTAGCTGCGTACAAAGGCCAAACAG
 AGAATGTGGTTCAGCTCATCAACAAGGGCGCCAGGGTAGCGGTTACCAAGCATGGCCGGACTCCCCTGCA
 TCTTGCTGCCAATAAGGGCCATCTTCTGTGGTCCAGATCTTGCTGAAGGCTGGCTGCGACCTTGATGTC
 CAGGATGATGGGGACCAGACCGCCTTGACCGGGCCACAGTGGTGGGAAACACGGAGATCATCGCGGCGC
 TCATCCACGAAGGGTGTGCCCTGGACAGACAAGACAAGGATGGGAATACAGCCTTGATGAAGCATCCTG
 GCATGGTTTCAGCCAGTCAGCCAAGCTGCTCATTAAAGCAGGAGCCAACGTGCTTGCCAAGAACAAGGCG
 GGGAAACACAGCTCTGCACCTGGCCTGCCAGAACAGCCACTCCAGAGCACGCGCTCTCTCTGCTGGCCG
 GGTCCCGCGCTGACCTCAAAAATAATGCAGGAGACACCTGTTTGCACGTTGCTGCGCGCTATAATCACTT
 GTCATCATTAGGCTCCTCCTCACTGCTTCTGTTCTGTCCATGAAAAGAACCAGGCTGGAGACACAGCA
 CTTACAGTTGCTGCTGCCCTAAATCACAGAAGGTGGCCAAAATCTTACTGGAAGCCGGAGCAGATACGA
 CCATTGTTAAACAATGCAGGCCAGACTCCGCTGGAGACTGCCCGCTACCACAATAACCCGGGAAGTTGCTCT
 TCTCCTTACTAAAGCTCCCCAGGGCAGTGTCTCAGCAGGAGACACCCCCAGCAGTGAACAGGCTGTGGCC
 AGAAAAGAAGAAGCCAGAGAAGATTCTGTGACGCTCCCAGAACCCAGAGCAAAGGATGACAGGAGGA
 GAAAGTCAAGGCCAAGGTGTGACGATTTTCTGACCCACCCACCAGCCGACCAACAGCCTGGACACCA
 GAAGAACCTGCATGCTCATAATCACCTAAAAAGAGGAACAGGCATCGGTGTTTATCCCCACCCCAACC
 CATGAGTTCAGGGCGTATCAGCTCTACACATTGTACCGGGCAAGGATGGGAAAGTATGCAGGCACCAA
 TAAATGGTTGTCGATGTGAACCTTAATCAACAAGCTGGAGAATCAGTTGGAGGCTACTGTGGAGGAGAT
 AAAAGCAGAGCTGGGATCGGTTTCAGGACAAAATGAATACAAAGCTGGGGCAGATGGAGAATAAGACCCAG
 CACCAAATGCGTGTTTTGGACAAGCTGATGGTTGAGCGACTTCTGCAGAGAGGACGGAGTGCCTGAACC
 GCCTGCAACAGCACTCAGACACAGAGAAGCATGAGGGGGAGAAACGACAGATATCCTTGGTGGATGAATT
 AAAAACCTGGTGCATGTTAAAGATTGAGAATCTGGAGCAGAAGCTTCTGGAGATTCTAGGGCCTGCAGA
 GCTAAATCCACACCATCTACTTGTGAGTCTCTACAGGTGTGGACCAATTAGTGGTACTGCAGGTCCAG
 CAGCAGCTCCGACAGCTCCCCTCCAGTGGTAGGCCAAAGAGAAGGCCCTCAACTCCACTGCTACCCA
 GAGACTCCAGCAGGAGCTGTCGTTCTGACTGTACAGGCTCCCGACTGAGAAACGTCAAGGTCCAGACA
 GCCTTGCTACCCATGAATGAGGCAGCCAGATCTGATCAGCAGGCTGGGCCCTGCGTCAACAGAGGCACTC
 AAATAAGAAGTCTGGGAAGAGTGGGCCAAACAAGGCATCGTGCCAGCAACCCGACCCAGCAGCACCTG
 TGGGCAGCCGCCACCAGCCACAGGCAGCGAGCACTGGCCCTCACATTCGGGACACCTCCCAAGTCTG
 GAGCTTACCCAGTATTTTTTGGAGGCTGTTTCTACCCAGATGGAAAAGTGGTATGAAAGGAAGATTGAAG
 AAGCACGAAGCCAAGCCAATCAGAAAGCCAGCAAGATAAAGGCTACATTGAAGGAACACATTAAGGTTT
 AGAAGAGGAACCTGCCAAACTAAGGACTAGGGTGCAGAAGGAAAAT

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC234727 representing NM_001242813
Red=Cloning site Green=Tags(s)

MSQQDAVAALSERLLVAAYKGQTENVVQLINKGARVAVTKHGRTPLHLAANKGHLPVVQILLKAGCDLDV
 QDDGDQTLHRATVVGNTEIIAALIHEGCALDRQDKDGNALHEASWHGFSQSAKLLIKAGANVLAKNKA
 GNTALHLACQNSHSQSTRVLLLAGSRADLKNAGDTCLHVAARYNHLIIRLLLTAFCVHEKNQAGDTA
 LHVAAALNHKKVAKILLEAGADTTIVNAGQTPLETARYHNNPEVALLLTKAPQGSVSAGDTPSSEQAVA
 RKEEAREEFLSASPEPRAKDDRRRKS RPKVSAFSDPTPPADQQPGHQKNLHAHNHPKRRNRHRCSSPPPP
 HEFRAYQLYTLYRGKDGKVMQAPINGCRCEPLINKLENQLEATVEEIKAE LGSVQDKMNTKLGMENKTQ
 HQMRVLDKLMVERLSAERTECLNRLQQHSDTEKHEGEKRQISLVDELKTWCMKIQNLEQKLSGDSRACR
 AKSTPSTCESSTGVDQLVVTAGPAAASDSSPPVVRPKEKALNSTATQRLQQELSSDCTGSRLRNVKVT
 ALLPMNEAARSDQQAGPCVNRGTQTKKSGKSGPTRHRAQQPAASSTCGQPPPATGSEQTGPHIRDTSQAL
 ELTQYFFAVSTQMEKWYERKIEEARSQANQKAQQDKATLKEHIKSL EEELAKLRTRVQKEN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001242813

ORF Size: 2076 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001242813.1](#), [NP_001229742.1](#)

RefSeq Size: 5250 bp

RefSeq ORF: 2079 bp

Locus ID: 22881

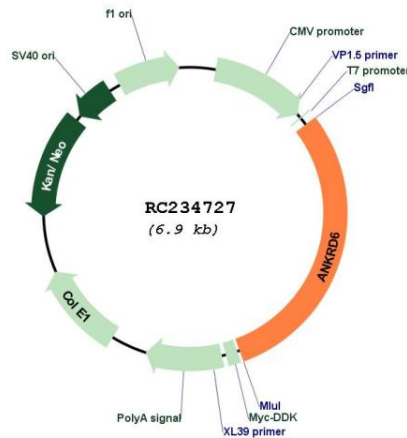
UniProt ID: [Q9Y2G4](#)

Cytogenetics: 6q15

MW: 76.2 kDa

Gene Summary: 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]

Product images:



Circular map for RC234727