

## Product datasheet for **RC234783**

### **ANKRD6 (NM\_001242811) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ANKRD6 (NM_001242811) 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:

>RC234783 representing NM\_001242811  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAGCCAGCAAGATGCGGTGCTGCACCTTCAGAGCGCCTTCTCGTAGCTGCGTACAAAGGCCAAACAG  
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GCATGGTTTCAGCCAGTCAGCCAAGCTGCTCATTAAAGCAGGAGCCAACGTGCTTGCCAAGAACAAGGCG  
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AGAAGGAAAAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC234783 representing NM\_001242811  
 Red=Cloning site Green=Tags(s)

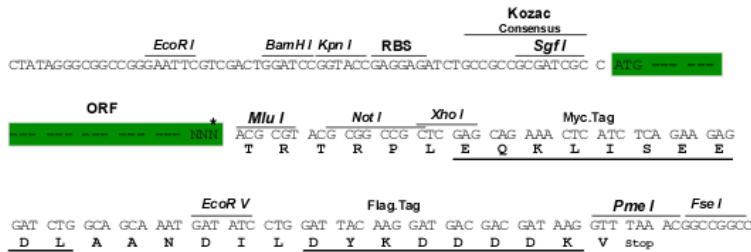
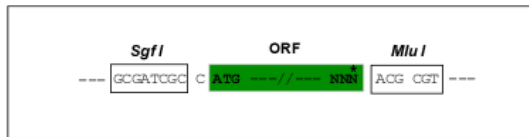
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MSQQDAVAALSERLLVAAYKGQTENVVQLINKGARVAVTKHGRTPLHLAANKGHLPVVQILLKAGCDLDV
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LHVAALNHHKKVAKILLEAGADTTIVNAGQTPLETARYHNNPEVALLTKAPQVLRFSRGRSLRKKRER
LKEERRAQSVPRDEVAQSKGSVSAGDTPSSEQAVARKEEAREEFLSASPEPRAKDDRRRKS RPKVSAFSD
PTPPADQQPGHQKLNLAHNHPKKRNRHRCSSPPPPHEFRAYQLYTLYRGKDGKVMQAPINGCRCEPLINK
LENQLEATVEEIKAE LGSVQDKMNTKLGQ MENKTQH QMRVLDKLMVERLSAERTECLNRLQQHSDTEKHE
GEKRQISLVDELKTWCM LKIQNLEQKLSGDSRACRAKSTPSTCESSTGVDQLVVTAGPAAASDSSPPVVR
PKEKALNSTATQRLQRELSSSDCTGSRLRNKVVQTALLPMNEAARSDQQAGPCVNRGTQTKKSGKSGPTR
HRAQQPAAASSTCGQPPPATGSEQTGPHIRDTSQALELTQYFFEAVSTQMEKWYERKIEEARSQANQKAQQ
DKATLKEHIKSL EELAKLRTRVQKEN
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001242811

**ORF Size:** 2181 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\\_001242811.1](#), [NP\\_001229740.1](#)

**RefSeq Size:** 5738 bp

**RefSeq ORF:** 2184 bp

**Locus ID:** 22881

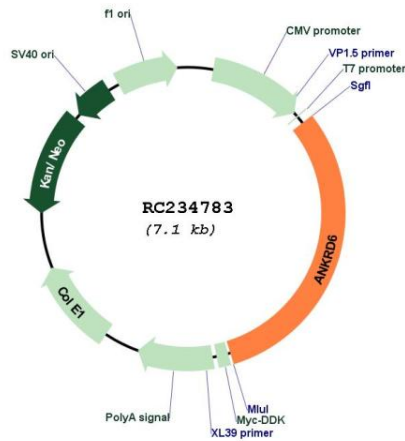
**UniProt ID:** [Q9Y2G4](#)

**Cytogenetics:** 6q15

**MW:** 80.4 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 RC234783