

Product datasheet for **MR230957**

Ankrd6 (NM_001012451) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankrd6 (NM_001012451) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ankrd6
Synonyms:	di
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR230957 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCAGCAGGATGCGGTGCTGCGCTTTCAGAACGCCTGCTCATAGCTGCGTACAAAGGCCAAACAG
 AGAATGTGGTTCAGCTCATCAACAAGGGTGCCAAGGTAGCCGTTACCAAGCATGGCCGACCCCTTGCA
 CCTCGCTGCCAATAAGGGTCATCTTTCTGTGGTGCAGATTTTGCTGAAGGCTGGCTGTGACCTCGATGTG
 CAAGATGATGGGGACCAGACAGCCTTGACCCGGGCCACTGTGGTGGGAAACACCGAGATCCTCACAGCGC
 TTATCCGGGAGGGGTGTGCCCTGGACAGACAGGACAAGGATGGGAATACAGCCCTGCATGAAGCCGCTG
 GCACGGATTACAGCCAGTCAGCCAAGCTGCTCGTTAAAGCCGGAGCCAATGTGCTTGCCAGAAACAAGGCA
 GGGAAACACAGCTCTGCACCTGGCCTGCCAGAATAGTCACTCCAGAGCACTCGCATCCTCCTGCTGGGCG
 GCTCCCGGGTGCCTCAAAAACAACGCAGGGGACACCTGTCTGCACGTGGCTGCGCGGTATAACCACTT
 GTCGCTGCTCAGACTCCTCCTCAATGCTTCTGCTCTGTCCATGAAAAGAACCAGGCTGGAGACACGGCC
 CTCATGTGGCTGCTGCCCTAAATCACAGAAGGTAGTTAAAGTCTGCTGGAAGCTGGTGTGACACAA
 CCATTGTGAACAATGCAGGCCAGACCCCGCTGGAGACTGCCCGCTACCACAATAATCCTGAAGTCCGACT
 ACTCCTCACCAAGGCTCCCCAGATCTTGCGCTTCAGTCTGGGCGAAGCCTGAGGAAAAGGAGAGAGAGG
 CTCAAGGAAGAGAGGAGGGCCAGTCTGTGCCCGAGATGAGGTGGCACAGAGCAAGGGAAGTGTCTCAG
 CAGGAGATACCCCGAGCAGTGAACAAGCAGTACCCAAAAAGAGGAAGCTAGAAGAGATTGTCCACCAGC
 TTCCCAGGAGCCAAGAAAGGATGAGAGGAGGAGAAAGTCGAGGCCAGAGGTGTACGCGTTATCTGACCCC
 ACCCCAGCCGAGACCAACAGCCTGGACACCAAAAAGAACCTGCACAGTCATCACCAACCCAAAAAGAAGA
 GCAGACATCGGTGTTGGTCCCCACCTCCACCCACGGGTTACAGGGCGTACCAGCTATACAGCTGTACCG
 GGGCGAGGATGGAAAAGTATGCAGGCACCAATAAAAGGTTGTCGCTGTGAACCTTAATCAACAAGCTG
 GAGAACCAAGTTGGAGGCGACTGTGGAGGAAATCAGAGCTGAGTTAGGCTCGGTGCAGGATAAAGTGAACG
 CGAAGCTGGGCCAGATGGAGAGCAAAACCCAGCACCAATGTGCGTTTTGGACAAACTGATGGTGAACG
 GCTGTCCGCGGAGAGAACAGAATGCATGAATCGCCTGCAACAGCATGCAGCTGCTGAGAAGCAGGAGGGA
 GAGAAACGTCAGATGTCTTTGGTAGATGAACTAAAAGCCTGGTGCATGTTGAAGATCCAGAGTCTGGAGC
 TAAGACTCTCTGGAGAGTCTCGGACCTCAGAGCTAAATCCACACCACCTCCGTCTGACTCCACTCCAGC
 TGTAGACCAACCAGTGGTAGCTGCAGGGCCAGGAGCAGCTCCGACAGCTCCTCTCAGGTTGTGAGGCC
 AAGGATAAAGCGCTCAATGCCTCGCTGCCACAGCCACCAGCAGGAGCTGCCTCCTCTGACTGTACAG
 GGTCTGGGTTAAGGAAGATCAAGGCCCGGGTGTCTCCAGGTGTGATCAGCAGACTGGATCCTGTGTCAA
 CCGAGGCACTCAGACCAAGAAGTCTGGGAGAAGTGGGCAGACCAAGCATCGAGGCCAGCAGCCACTGCC
 AGCAGCCCCAGTGGGCAGCAGCCATCAGCAGCAAGCAGTGTGCGGAGACGCCTCACAAGCCCTGGAGC
 TAACTCAGTATTTTTTGGAGCCGTTTCTGCACAGATGGAAAAGTGGTATGAACGGAAAATTGAAGAAGC
 ACGGAGCCAAGCAAGTCAGAAAGCTCAGCAGGATGAGGCCACATTGAAGGAACACATCAGAAGTCTGGAG
 GAGGAGCTTGCCAGGCTGCGGACAAAGGTGCAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230957 protein sequence
 Red=Cloning site Green=Tags(s)

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MSQQDAVAALSERLLIAAYKQQTENVVQLINKGAKVAVTKHGRTPLHLAANKGHL SVVQILLKAGCDLDV
QDDGDQ TALHRATVVGNT EIL TAL IREGCALDRQDKGN TALHEAAWHGFSQS AKLLVKAGANVLARNKA
GNTALHLACQNSHSQSTRILL LGGSRADLKNAGD TCHVAARYNHL SVVRL L LNAFCSVHEKNQAGDTA
LHVAAAALNHKKVVKV LLEAGADTTIVNAGQTPLETARYHNNPEV ALL TKAPQILRF SRGRSLRKR RER
LKEERRAQSVP RDEVAQSKGSVSAGDTPSSEQAVPQKEEARDCPPASQEP RKDERRRKS RPEVSALSDP
TPAADQQPGHQKNLHSHHPK KSRHRCWSP PPHGFRAYQLY TLYRGE DGKVMQAPIKGRCRCEPLINKL
ENQLEATVEEIRAELGSVQDKVNAKLGQMESKTQH QMCVLDKLMVERLSAERTECMNRLQQHAAA EKQEG
EKRQMSLVDELKAWCMLKIQSLELRLSGESRTFRAKSTPPP SDSTPAVDQPVVAAGPGAASDSSS QVVRP
KDKALNASAAHSHQQLPPSDCTGSLRRIKAPGASRCDQQTGSCVNRGTQTKKSGRSGQTKHRGQQPTA
SSPSGQQPSAASDVRDASQALEL TQYFF EAVSAQMEK WYERKIEEARSQASQKAQQDEATLKEHIRSLE
EELARLR TKVQK
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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_001012451

ORF Size: 2139 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_001012451.1](#), [NP_001012454.1](#)

RefSeq Size: 4444 bp

RefSeq ORF: 2139 bp

Locus ID: 140577

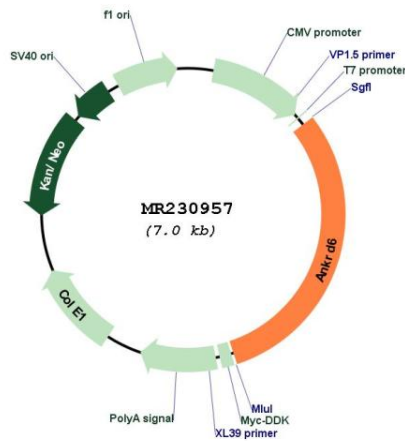
UniProt ID: [Q69ZU8](#)

Cytogenetics: 4 A5

MW: 78 kDa

Gene Summary: This gene encodes a protein which is thought to be involved in the Wnt signaling pathway and embryonic axis formation. Similar genes have been found in human, rhesus macaque, and zebrafish. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for MR230957