

Product datasheet for **MR210211**

Ankrd6 (NM_080471) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankrd6 (NM_080471) 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:

>MR210211 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGAGCCAGCAGGATGCGGTGCTGCGCTTTCAGAACGCCTGCTCATAGCTGCGTACAAAGGCCAAACAG
AGAATGTGGTTCAGCTCATCAACAAGGGTGCCAAGGTAGCCGTTACCAAGCATGGCCGGACCCCCTTGCA
CCTCGCTGCCAATAAGGGTCATCTTTCTGTGGTGCAGATTTTGCTGAAGGCTGGCTGTGACCTCGATGTG
CAAGATGATGGGGACCAGACAGCCTTGACCCGGGCCACTGTGGTGGGAAACACCGAGATCCTCACAGCGC
TTATCCGGGAGGGGTGTGCCCTGGACAGACAGGACAAGGATGGGAATACAGCCCTGCATGAAGCCGCTG
GCACGGATTACAGCAGTCAGCCAAGCTGCTCGTTAAAGCCGGAGCCAATGTGCTTGCCAGAAACAAGGCA
GGGAACACAGCTCTGCACCTGGCCTGCCAGAATAGTCACTCCAGAGCACTCGCATCCTCCTGCTGGGCG
GCTCCCGGCTGACCTCAAAAACAACGCAGGGGACACCTGTCTGCACGTGGCTGCGCGGTATAACCACTT
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CTCCATGTGGCTGCTGCCCTAAATCACAGAAGGTAGTTAAAGTCTGCTGGAAGCTGGTGTGACACAA
CCATTGTGAACAATGCAGGCCAGACCCCGCTGGAGACTGCCCGCTACCACAATAATCCTGAAGTCCGACT
ACTCCTCACCAAGGCTCCCCAGATCTTGCGCTTCAGTCTGTGGCGAAGCCTGAGGAAAAGGAGAGAGAGG
CTCAAGGAAGAGAGGAGGGCCAGTCTGTGCCCGAGATGAGGTGGCACAGAGCAAGGGAAGTGTCTCAG
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GGTCTGGGTTAAGGAAGATCAAGGCCCGGGTGTCTCCAGGTGTGATCAGCAGACTGGATCCTGTGTCAA
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AGCAGCCCCAGTGGGCAGCAGCCATCAGCAGCAAGCAGTGTGTGCGAGACGCCTCACAAGCCCTGGAGC
TAACTCAGTATTTTTTGGAGCCGTTTCTGCACAGATGGAAAAGTGGTATGAACGGAAAATTGAAGAAGC
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GAGGAGCTTGCCAGGCTGCGGACAAAGGTGCAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210211 protein sequence
 Red=Cloning site Green=Tags(s)

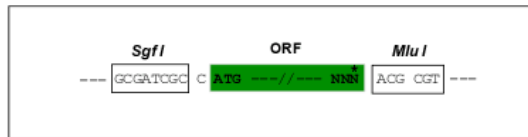
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MSQQDAVAALSERLLIAAYKQQTENVVQLINKGAKVAVTKHGRTPLHLAANKGHL SVVQILLKAGCDL DV
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GNTALHLACQNSHSQSTRILL LGGSRADLKNAGDTCLHVAARYNHL SVVRLLLNAFCSVHEKNQAGDTA
LHVAAALNHKKVVKVLL EAGADTTIVNAGQTPLETARYHNNPEVALLLTKAPQILRFSRGRSLRKRER
LKEERRAQSVPRDEVAQSKGSVSAGDTPSSEQAVPQKEEARDCPPASQEPKRDERRRKS RPEVSALSDP
TPAADQQPGHQKNLHSHHPK KSRHRCWSPPPPHGFRAYQLYTL YRGEDGKVMQAPIKGCRCPELINKL
ENQLEATVEEIRAELGSVQDKVNAKLGQMESKTQHQM CVL DKL MVERLSAERTECMNRLQQHAAAEKQEG
EKRQMSLVDELKAWCMLKI QSLELRLSGESRTFRAKSTPPPSDSTPAVDQPVVAAGPGAASDSSSQVVRP
KDKALNASAAHSHQQLPPSDCTGSLRKIKAPGASRC DQQTGSCVNRGTQTKKSGRSGQTKHRGQQPTA
SSPSGQQPSAASDVRDASQALEL TQYFFEAVSAQMEK WYERKIEEARSQASQKAQQDEATLKEHIRSLE
EELARLRTKVQK
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_080471

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_080471.3](#), [NP_536719.2](#)

RefSeq Size: 4573 bp

RefSeq ORF: 2139 bp

Locus ID: 140577

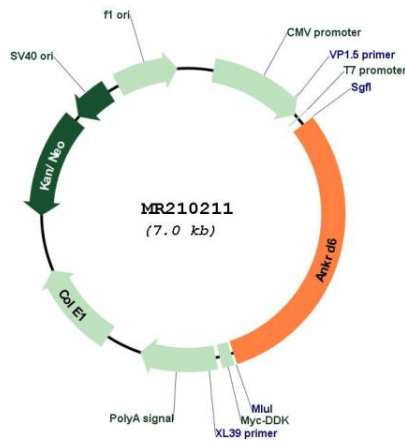
UniProt ID: [Q69ZU8](#)

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 MR210211