

## Product datasheet for MR214895

### Ankrd50 (NM\_001167883) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ankrd50 (NM_001167883) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ankrd50
Synonyms:	AI662170; E430012K20Rik; mKIAA1223; mKIAA3019
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR214895 representing NM_001167883 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACTAATCCTTGGGAAGAGAAAGTCTGCAAAATGGCCAGACGAGTCTGCTGCAAGGAAACAGTTTT  
ACTGTCGAGAATGGGTTTTCCACAACTCAGCACTGCCTCCAGGAGAAATGGAGCTGCTGTTCCGGTCC  
AGCCACTGCACAGTCCCTCGTCGCAACGCTGGGAATAATGCTAGTGCCATCTCTGGAAAGGGGCCTCC  
TGGGGCGTGTGCTGGTAGGAGGCCTGGCAGTGGGAAGACGGCCCTGTGCACTGAGCTCCTGTGCCAA  
GTTCCGCCCGCAGCCTGCAGAGAGTCTGCATCGCCAGGCTTTGGCTTCCACTTCTGCAAAGCCCAGGA  
CTCAGACACTTTGTGTGTGGAGGGTTATCAGAGGTCTGGTAGCCAGATCTGCCAAAGTGGACTCCTC  
CAAGGTTATGAGGACAAGCTAAGAGATCCAGCCGTCCAAAGTCTCCTCGAGCCTGGAGAGTGTGAGAGGA  
ACCCAGCGGAAGCATTTAAAAGGTGTGTGCTGCTCCCACTCCTGGGGATGAAGCCACCCCGCAGAGCCT  
CTACCTGTTGGTTGACTCCGTGGACGAAGGCTGCAATGTGGTGAAGGGGAGCAGACATCACCCAGCCTC  
TCGGGGACTGTGGCAGAGCTCTTGGCTGGTCACCACGAGTTCTTTCCCCATGGCTCCTGCTTCTGCT  
CTGCCCCAAAGCAGAGCAGAGCTGTCACTAAAAATGTTCAAGTGTCCAGTTGTATGAGACAGAAGGCATT  
GTGGTTGGAGGAGCCGCTCAGCTGCCAGATGGAAGCCAGATGCCTGAGGGCGTCTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR214895 representing NM\_001167883  
Red=Cloning site Green=Tags(s)

MTNPWEEKVCKMAQTSLLQGKQFYCREWVFHKLQHCLQEKWSCCSGPATAQSLVGNAGNNASAI SGKGAS  
 WGVLLVGGPGSGKTALCTELLWPSSPASLQRGLHRQALAFHFCKAQSDTLCVGGFIRGLVAQICQSGLL  
 QGYEDKLRDPAVQSLLEPGECERNPAEAFKRCVLLPLLGMKPPPQSLYLLVDSVDEGCNVVEGEQTSPSL  
 SGTVAELLAGHHEFFPPWLLLLCSARKQSRVTKMFGSSCMRQKALWLEEPLSCQMEARCLRACC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9080\\_c05.zip](https://cdn.origene.com/chromatograms/mm9080_c05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001167883

**ORF Size:** 828 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\\_001167883.1](#), [NP\\_001161355.1](#)

**RefSeq Size:** 4915 bp

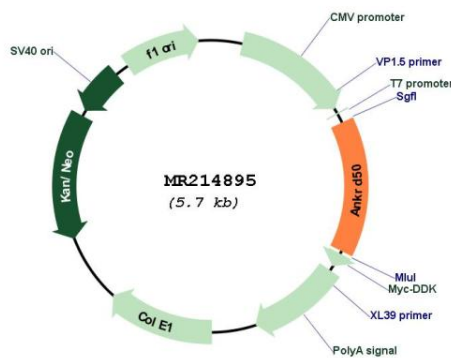
**RefSeq ORF:** 831 bp

**Locus ID:** 99696

**Cytogenetics:** 3 B

**MW:** 30 kDa

**Product images:**



Circular map for MR214895