

Product datasheet for **MR217605**

Ankrd53 (NM_029245) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Ankrd53 (NM_029245) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Ankrd53 |
| Synonyms: | 4930564N15Rik |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MR217605 representing NM_029245
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGACGCCCTCGCGCGTCTTCCAAGCCAGTACACCCCTAGGAGCCACACCACTCCGCGCAGGA
 CTGGGCCCTCGGATTCCAGAAGCGCCAGGGACAAAAGAGCAGCCCGCCCATCTGTACAAGGAGGCAC
 GCGGCAAGCGGAACATGACTTGAAGTTTCCAGCCCACTCCGAATCCTCGCAGTACAGTACCTCCGAG
 TTGTGGAGCCATAAAGTGATCGCGAACTACTCCGAGCTTTTCGACGCTCAGTGGGCAATGTGGACTGGC
 TTCGGTTCTGTGAATCCGGAGCGCAAGGAGATCATAGTCGACGACAAGGGCTTACAGCCATCCACTT
 CGCAGCCAGAAATGCCAGCTTCTGCCTTAAGGTCTTAATAGAGGAGTACAAATATCCCGTGGATCTG
 CCCACCAAAAGGCCAGACGCCCTGCACTTGGTCATCCATAAAAACAACAAATCGGACATCTCCCT
 GCATTGACTACCTGCTCAAGAAAGGGCAGCCATCAACTCGCAGACATACAATGGCTCCACACCCCTGCA
 CCTGGCTTCTGCAATGGCTGTGGGATGCATTAAGCTGCTGGTGCAGAGTGGAGCCAATGTGCATGCC
 CGAGATGCCACGGGCTTCAAGCCATCGACTATTGCAGACTTTGGAACCCCGTACTGTGCCCGGTTCT
 TGAAGGATGTCATGTGGAACATGATAAGAAGTCTTGGCCAGGAGATGGAGAACTGAGGACCTTGAA
 GGAGAAGCTGACCATTTGGAGTACTACTACCTGGTTGAATATCAAAAAGAACATCAAAATCTGAGAGAG
 GCTCATTTAGAAAGTGGCTCCAAAACAAGGTGCTGGCCAGACCCCTGGGTTCTGCCGACTCCAAGCAA
 AGGCTGGTGTCCAACCTTGGTCATTGGCTCCAACACTTAAGATGCCCAATAACTGAAAGCCTCCATTA
 TCCATCTGTGGAAGCTCAGCTGAAAACTTGCCTCACCTGTGGTCCACCAAGCCATCTACAAGCAG
 ACCACCATCAGTCGCCCCAAGTTATGAACTATAGTCTAACCCTGCCAGGTCCCCATCACAACATTGT
 GCCACCCACAGAAATTCGCCTGGGTGTGCACCCAGAACCTATAAGAACATGACTTCCGAGATTCTT
 GGAGGTGACTCGAAATAAACATGGGGGTGCATGCCTGCGCACAGTGGACCGTCAAGTTGGTACACCTGTA
 CCCAGCTGCCTTTGAGATGATGGTCCGAGTGTGTACCCAGGACTCAACCCTACAGGATGAAAGTGC
 CCCAGGGCTTGTATCCACGGGACATACTCAAAGTACCTGAGAAACGGCATGTAGGAGATACTTGTAGCAA
 TACAATGGCCATGACCCTACGTGAGACATTTGATAAACCTTCTCGATTCCCTGGAAGTTTCCCGGACT
 CGAGTAGCCCCACCTCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217605 representing NM_029245
 Red=Cloning site Green=Tags(s)

MRRPSRRRSKASTPPRSHTTPRRTGPSDSRRRPGTKEQPRPSVQGGTRQAEHDLKVVSSPNESSQYSTSE
 LWSHKVIANYSEIFAASVGNVDWLRFCVNPKEIIVDDKGFTAIHFAAQKQLSCLKVLEEEYKYPVDL
 PTNKGQTPHLVHKNKSDILPCIDYLLKKGAAINSQTYNGSTPLHLASCNGLLGCIKLLVQSGANVHA
 RDATGFKPIDYCRLWNHRTCARFLKDVMMKHKVLAQEMEKLRTLKEKLTILEYHYLVEYQKEHQILRE
 AHFRKWLQNKVLAQTLGSADSKQKAGVQPWSLASNTLRCPITESLHYPVSAQLKLNLPSPVPPKPIYKQ
 TTISRPKLWNYSANPARSPITNIGHPNIRLVHPEPYKEHDFRRFLEVTRNKHGGACLRTVDRQLVTPV
 PQLPFEMMVRVLYPGTQPYRMKVPQGLYPRDILKVPEKRHVGDTCSENTMAMTLRETFDKPFLDSLEVCRT
 RVAPPSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9061_g08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_029245

ORF Size: 1491 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_029245.3](#), [NP_083521.2](#)

RefSeq Size: 1737 bp

RefSeq ORF: 1494 bp

Locus ID: 75305

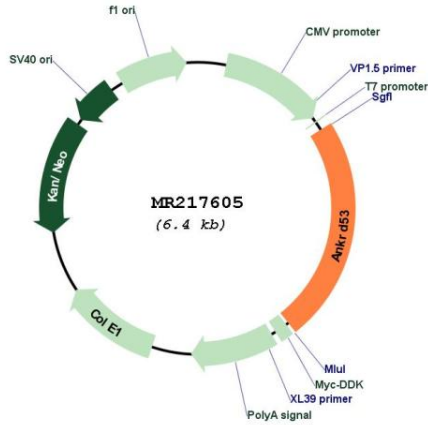
UniProt ID: [Q3V0J4](#)

Cytogenetics: 6

MW: 56.7 kDa

Gene Summary: Required for normal progression through mitosis. Involved in chromosome alignment and cytokinesis via regulation of microtubules polymerization.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217605