

Product datasheet for **MC217027**

Ankrd53 (NM_029245) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC217027 representing NM_029245
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGACGCCCTCGCGCGTCTGTTCCAAAGCCAGTACACCCCCTAGGAGCCACACCACTCCGCGCAGGA
 CTGGGCCCTCGGATTCAGAAAGCGCCAGGGACAAAAGAGCAGCCCGCCCATCTGTACAAGGAGGCAC
 GCGGCAAGCGGAACATGACTTGAAGTTTCCAGCCCACTCCGAATCCTCGCAGTACAGTACCTCCGAG
 TTGTGGAGCCATAAAGTGATCGGAACTACTCCGAGCTTTTCGACGCTCAGTGGGCAATGTGGACTGGC
 TTCGGTTCTGTGAATCCGGAGCGCAAGGAGATCATAGTCGACGACAAGGGCTTACAGCCATCCACTT
 CGCAGCCAGAAATGCCAGCTTCTGCCTTAAGGTCTTAATAGAGGAGTACAAATATCCCGTGGATCTG
 CCCACCAAAAGGCCAGACGCCCTGCACTTGGTCATCCATAAAAACAACAAATCGGACATCTCCCT
 GCATTGACTACCTGCTCAAGAAAGGGCAGCCATCAACTCGCAGACATAAATGGCTCCACACCCCTGCA
 CCTGGCTTCTGCAATGGCTGCTGGGATGCATTAAGCTGCTGGTGCAGAGTGGAGCCAATGTGCATGCC
 CGAGATGCCACGGCTTCAAGCCATCGACTATTGCAGACTTTGGAACCACCGTACCTGTGCCCGGTTCT
 TGAAGGATGTCATGTGGAACATGATAAGAAGTCTTGGCCAGGAGATGGAGAACTGAGGACCTTGAA
 GGAGAAGCTGACCATTTGGAGTACTACTACCTGGTTGAATATCAAAAAGAACATCAAAATCTGAGAGAG
 GCTCATTTTCAGAAAGTGGCTCCAAAACAAGGTGCTGGCCAGACCCCTGGGTTCTGCCGACTCCAAGCAA
 AGGCTGGTGTCCAACCTTGGTCATTGGCTCCAACACTTAAAGATGCCCAATAACTGAAAGCCTCCATTA
 TCCATCTGTGGAAGCTCAGCTGAAAACTTGCCTCACCTGTGGTGCACCCAAGCCATCTACAAGCAG
 ACCACCATCAGTCGCCCCAAGTTATGGAATAAGTGTAAACCTGCCAGGTCCCCATCACAAACATTTG
 GCCACCCACAGAAATATTCGCTGGTGTGCACCCAGAACCTATAAGGAACATGACTTCCGAGATTCCT
 GGAGTGACTCGAAATAAACATGGGGGTGCATGCCTGCGCACAGTGGACCGTCAGTTGGTGACACCTGTA
 CCCAGCTGCCTTTGAGATGATGGTCCGAGTGTGTACCCAGGACTCAACCCTACAGGATGAAAGTGC
 CCCAGGGCTTGTATCCACGGGACATACTCAAAGTACCTGAGAAACGGCATGTAGGAGATACTTGTAGCAA
 TACAATGGCCATGACCCTACGTGAGACATTTGATAAACCTTCTCGATTCCCTGGAAAGTTTCCCGGACT
 CGAGTAGCCCCACCTCCAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_029245

Insert Size: 1494 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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

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