

Product datasheet for MC201701

Ankrd9 (NM_175207) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ankrd9 (NM_175207) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ankrd9
Synonyms: 2500003O20Rik
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC023687 sequence for NM_175207
 CCACGCGTCCGCACCGGCATCGGGAGACGGTGTCCGCGCGGCTCAGAGTGCAGCGGGCGCTGCCTCCGCT
 CCCGGCGTCGTGGGATCTCTGTCTGCTCGCCCGTGCATGGACGGCGCGCTCCGCCCCCGCAGGGAC
 AGGGTCGCGCGGCTTGGAGCTCCTTCTGATGGGCAGGAAAATTGTTTGTGGATAAAAGAGCCAGAGCCA
 CTTTCCAACCTCTGGCTGCGGGCGGGCGCACTGCCAGCCCTGGGCCACCACTTTCTTGTGATGAGGTTTG
 GTGTGTTAGAGTGAATACCTGCATCTACAGAACCAGGGCCGCTGCAGGAACCAGGTTGGTCTGGGGTG
 GTGTGACCATGCTTTGAGACTCCCGGAGGCCAGCATGCCGTGGGACACCAGGCTGGACGCAGCGCCAA
 CGGAGGGCCCGAGGGTCCCGGCGCAGCTCGCTTGGGGTGAGAAGCAGTGCCGGAAGTCATCCTTCGCC
 TTCTACCTGGCAGTGCAGATCAGCTGCCAGTTTGGCTACTCGAGGACATACGTGCCAGCGAAGCCTTCC
 ACTGTGATGAGCGGGGGCGCTGCGGCCTATTCGCCTTCGGAGGCTCTGCTCTATGCGCTTGTGCACGA
 CCACCAAGCCTATGCACACTACCTGCTAGCTACCTTCCCGCGGTGTGCACTCGCCCCACCTAGCGCGGGC
 TTCGCTGCTGCACCGCGCTGGCCTCAGTGGCGCTGGCGGTGCGCTACAACCGCGTGGGCATCCTGC
 GCGCATCCTGCGAACGGTGCAGGACTTCCCAGTGGAAAGAGCGCGTGGCCTCCTCGACCGCGTGGCTG
 CAGCCCGTGGAGGGCGGTGGCAGTGCATGTGGCCTGTGAGCTCGCACGCCCCGAGTGCCTCTTT
 CTGCTGCTTGGCCACGGAGCTTCTCCAGGCCTTCGAGATGGCAGTGGCTTACACCATGGAGCTGCTGT
 TGCGCCAGCTGAACCAGGACGCCAGCTCAGCCCCACTAAGGCTGAGGCAGCTTCTGCCACGGTCAATGC
 TGCCACCGCCAACCACTTCGCTGAGGAGGTGTGTAGCGCCGCTGCTGCTGCTTACCTGCTAGTA
 CTGTACACCCCGGGGGCGTCTAGTCCAGCTCGATGTAAGTCTAGGAGACCAGCTACGCTGGCAGC
 GGTTGTTGGTGAGGACAAGTTCAGTGGCTGGCAGGGCTGGCCACCCTCCCTTTTGTCCGTGCCATCG
 GCAGGTGTTGGTACCACTATCTCACCTGGCCGCTTCCCGAGGCCTTAGATGAACTGCCTCTGCCATCG
 TTTTTCAGCCCTTGGACCTCACGGCAAGGGCTAGACTCAGGGGACCCTGACACAGTATATGGGACAG
 AAGTATTTTTTGGAGGACTTGTACTTGGCACTTACATATATGGATCGTTGACTGTAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_175207



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Insert Size:	981 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:	<ol style="list-style-type: none">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:	<u>BC023687</u> , <u>AAH23687</u>
RefSeq Size:	1502 bp
RefSeq ORF:	981 bp
Locus ID:	74251
UniProt ID:	<u>Q8BH83</u>
Cytogenetics:	12 F1
Gene Summary:	Substrate receptor subunit of a cullin-RING superfamily E3 ligase complex (CUL5-based E3 ubiquitin ligase complex) which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Depending of the metabolic state of the cell, promotes the proteasomal degradation of IMPDH2, the rate-limiting enzyme in GTP biosynthesis or protects IMPDH2 by stabilizing IMPDH2 filaments assembly. Implicated in different cellular processes, like copper homeostasis and cell proliferation.[UniProtKB/Swiss-Prot Function]