OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC218622

Ankrd25 (BC010245) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankrd25 (BC010245) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ankrd25
Synonyms:	MGC12143, MGC7734
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>BC010245
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCAGGTCCTGCATGTGCCCGCCCCATTCCCAGGAACCCCTGGTCAGGCCTCCCCAGCGGCCTTCC
CCAGCAAGGAGCCAGACCCACCGTACTCAGTGGAAACGCCCTATGGCTACCGCCTGGACCTGGATTTTCT
TAAGTACGTGGATGACATTGAGAAGGGCCACACACTGCGCAGGGTGGCGGTACAGCGCCGGCCGCGCCTG
GGTTCCCTGCCACGGGGCCCGGGCTCCTGGTGGACGTCCACAGAGTCTCTGTGCTCTGATGCCAGTGGGG
ACAGCCGGCACTCGGCCTACTCCTACTGTGGCCGCGGCTTCTACCCACAGTACGGAGCCTTGGAGACCCG
AATCGGCTCCAACCCTCGTGTGGAGCGCACGCTGCTGGATGCGCGGCGCCGGCTGGAGGACCAGGTGGCT
GCCCCATCGTCCGGTGGCCTGGGCTCCCTCACACCCAGCGCCGCGGGCTCCACCAGCTCCCTGGCAGGCG
TGGGCCTGCTGCCCCCCACGCCTCGCAGCTCCGGCCTGTCCACCCCGGTGGCACCCAGCGCTGGTCACCT
AGCCCACGTGCGCGAGCAGATGGCTGGAGCCCTGCGCAAGCTGCGCCAGCTGGAGGAGCAGGTCAAGCTG
ATCCCCGTTCTCCAAGTCAAGCTGTCAGTGCTCCAGGAGGAAAAGAGACAGCTCACCGTGCAGCTCAAGA
GCCAGAAGTTTCTAGGTCACCCCTCAGGGACACGGAGCCGGAGTGAGCTCTGCCTGGACCTTCCCGAGGC
CCCTGACGACCCTGCTGCACTAGAGACCCGCTCGGTGGGCACCTGGGTTAGAGAACGGGACTTGGGCATT
CCAGATGGTGAAGCTGCCCTGGTAGCTAAAGTGGCCGTGTTGGAGACCCAGCTCAAAAAAGCGCTACAGG
AGCTGCGGGCGGCTCAGACCCAGCAGGTCGACCTCCAGCCCCAGGCCTGGCCACCACCAGACACCCAGGT
CCGCGTGGACACCGTGCGAGTAGTGGAGGGTCCCCGGGAAGTGGAGGTGGCAGCCAGCACGGCAGCCGGG
GCCCTTGCACAGCGAGCTCAGAGTCTGGAACCCTACGGAACAGGGCTGAAGGCCCTGACCACATCTGGGG
GACCAGAGAACACCCTCGTGTTCCGCAGTCATGAAGTGGTGGAGACCATGTGCCCACTGCCCACAGCTAC
CACTGGCAATGTGCACACAGCCAAGAAGATCAGCATTACAGAACGGAGTTGCACCGGTGCACCCAGGATG
ACAGAGCCTTCCTCCGTTAATCCACGCCCTGCTGCAGCCTCTGTGGTACAGCCTGAGAACCCTGTCCCGG
CTGCCCAGGACACCACTGACAAGAAGCCCACCAGGCCAGCAGCAGCATCGCAGGACTCACAAGCGGCTGA
CGGAGCAGGCAGAGCCTCTTTGGCCACGAAGAGGAAAGAGGACCCCGCAGACCCTGAAGTCAACCAGAGG
AACCTCCAGTTTGTGGGAGTCAATGGCGGGTATGAGTCCCCCTCGGAGGACTCCAGCACAGCAGAAAACT
CCGAACACGAGAGCACAGAGAACGAGGGCCCGGAGCCACCAGCAAGGGTTCTGAGCCCAGCTGAATGTCC
TCAGCTCAGGCCTCCAGGGGCTGCAGTGGCCACGACCAGTCTGGAGGGGCCCCAGCTCTCCCAGGAATCC
CAGCGTGTGCCTGCACCTGAGGTGGCGTCAGGACCCGATCCTGAGGAGGAAATTCGAAAGTGGCCTATAC
CACAGTGCTTCAGGAGTGGCTGCGCCTGGCCTGCCGCAGTGACGCACACCCTGAGCTTGTGCGGCGACAT
CTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC010245

Insert Size: 1824 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:	BC010245, AAH10245
RefSeq Size:	3427 bp
RefSeq ORF:	1823 bp
Locus ID:	235041
Cytogenetics:	9 A3
Gene Summary:	Involved in transcription regulation by sequestering in the cytoplasm nuclear receptor coactivators such as NCOA1, NCOA2 and NCOA3 (By similarity). Involved in regulation of caspase-independent apoptosis by sequestering the proapoptotic factor AIFM1 in mitochondria (By similarity). Pro-apoptotic stimuli can induce its proteasomal degradation allowing the translocation of AIFM1 to the nucleus to induce apoptosis (By similarity). Involved in the negative control of vitamin D receptor signaling pathway (By similarity). Involved in actin stress fibers formation through its interaction with ARHGDIA and the regulation of the Rho signaling pathway (PubMed:25961457). May thereby play a role in cell adhesion and migration, regulating for instance podocytes migration during development of the kidney (PubMed:25961457). Through the Rho signaling pathway may also regulate cell proliferation (PubMed:16024821).[UniProtKB/Swiss-Prot Function]