

Product datasheet for **SC122355**

ANKRD2 (BC020817) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD2 (BC020817) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKRD2
Synonyms:	AARP; ankyrin-repeat protein; ankyrin repeat domain 2; ankyrin repeat domain 2 (stretch responsive muscle); ARPP; MGC104314; OTTHUMP00000059423
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC020817 edited

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AGAGGCGGTTATGGACGGCACCATTGGAGGACTCCGAGGCGGTGCAGAGGGCCACAGCGCT
CATCGAGCAGCGGCTGGCACAGGAGGAGAGAATGAGAACTCCGAGGAGACGCACGCCA
GAAGCTGCCCATGGACTTGCTGGTGCTGGAGGATGAGAAGCACCACGGGGCTCAGAGTGC
AGCCCTGCAGAAGGTGAAGGGCCAAGAGCGCGTGCGAAGACGTCCTGGACCTGCGGCG
GGAGATCATCGATGTGGGCGGGATCCAGAACCTCATCGAGCTGCGGAAGAAACGCAAGCA
GAAGAAGCGGGACGCTCTGGCCGCTCGCATGAGCCGCCCCAGAGCCCGAGGAGATCAC
TGGCCCTGTGGATGAGGAGACCTTCTGAAAGCTGCGGTGGAGGGGAAAATGAAGTCAT
TGAGAAGTTCCTGGCTGACGGGGGTCAGCCGACACGTGCGACCAGTTCCGTCCGACAGC
ACTGCACCGAGCTTCCCTGGAAGGCCACATGAAATCCTGGAGAAGCTTCTAGATAATGG
GGCCACTGTGGACTTCCAGGATCGGCTGGACTGCACAGCCATGCATTGGGCTGCCGCG
GGCCACTTAGAGGTGGTAAAATCTGCAAAGCCATGGAGCAGACACCAATGTGAGGGA
TAAGGAAGGGGATACTGCCTGCATGACGCTGTGAGGCTCAACCGCTACAAAATCATCAA
ACTGCTGCTCCTGCATGGGCTGACATGATGACCAAGAACCTGGCAGGAAAGACCCCGAC
GGACCTGGTGCAGCTCTGGCAGGCTGATACCCGCGACGCCCTGGAGCATCCTGAGCCGG
GGCTGAGCATAACGGGCTGGAGGGGCTAATGATAGTGGGCGAGAGACCCTCAGCCTGT
GCCAGCCAGTGAATGCGTGCCCGAGCCAGCCAGCTACCCAGCCCTCTCTGTGTGCAG
CCGGAGGGTCTAAGAATGGCTCCCGGAGCTAACTGAGGGCCAGCCTTTTTTCTGCATG
ATCCAGGAGCACATACCACAACTACCACAATAAAAAAGCTGTTTTTGCAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for BC020817 unedited NCCGGTCTAGCATTTGTAATACGACTCATATAGGCGGCCGCGCAATTCGCCATTACGGCC GGGGTTAGGCGGTTATGGACGGCACCATGGAGGACTCCGAGGCGGTGCATAGGGCCACAG CGCTCATCGAGCAGCGGCTGGCAGAGGAGGAGAATGAGAACTCCGAGGAGACGCAC GCCAGAAGCTGCCATGGACTTGCTGGTGGTGGAGGATGAGAAGCACCACGGGGCTCATA GTGCAGCCCTGCAGAAGGTGAATGGCCAAGAGCGCTGCGCAAGACGTCCCTGGACCTGC GGCGGGAGATCATCGATGTGGCGGGATCCAGAACCTCATCGAGCTGCGGAAGAAACGCA AGCAGAAGAAGCGGGACGCTCTGGCCGCTCGCATGAGCCGCCCAGAGCCCGAGGAGA TCACTGGCCCTGTGGATGAGGAGACCTTCTGAAAGCTGCGGTGGAGGGAAAATGAATG TCATTGAGAAGTTCCTGGCTGACGGGGGTGAGCCGACACGTGCGACCAGTTCCGTGCGA CAGCACTGCACCGAGTTCCTGGAAGGCCACATGGAAATCCTGGAGAAGCTTCTAGATA ATGGGGCCACTGTGGACTTCCAGGATCGGCTGGACTGCACAGCCATGCATTGAGCCTGCC GCGGGGGCCACTTATAGGTGGTAAACTTCTGCAAAGCCATGGAGCAGACACCAATGTGA GGGATAAGGAATGGATACTGCCCTGCATGACGCTGTNGAGCTCAACCGCTACANAATCA TCAAAGTCTGCTGCTGCATGGGGCTGACATGATGACCAAGGATCTGGGCAGAAAGACCC CGACGGACCTGGTGCAGCTCTGGCAGGCTGATACCCGGCACGCCCTGGAGCATCCTGAGC CGGGGGCTGAGCATAACA
Restriction Sites:	Please inquire
ACCN:	BC020817
Insert Size:	1099 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>BC020817.1</u> , <u>AAH20817.2</u>
RefSeq Size:	1099 bp
Locus ID:	26287
Cytogenetics:	10q24.2
Gene Summary:	This gene encodes a protein that belongs to the muscle ankyrin repeat protein (MARP) family. A similar gene in rodents is a component of a muscle stress response pathway and plays a role in the stretch-response associated with slow muscle function. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2014]