

Product datasheet for **SC321026**

ANKRD2 (NM_020349) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ANKRD2 (NM_020349) Human Untagged Clone
Tag: Tag Free
Symbol: ANKRD2
Synonyms: ARPP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_020349.2
GGGGCCTGCACCCTGCTCTTGGGACACAGTGCCTTCCGGCTCTAATAGGCCAGGAGTTG
GGGGGGCAACTGGCTCTGCTCCCTGGCCCTGGCTCCCCCTGCTCCCTGGGGCTGCCCGAG
GTGAAGGTGACAGGTGGGGGAGGCAGGTGGAGAATTGGGCCAGTGAGCTCATGGCAAAGG
CGCCAGCTGGGCAGGGGTGGGTGCTCTGGCCTATAAAGCCCCGAGGCCCTGTGGCCTG
CAGAGGCGTTATGGACGGCACCATGGAGGACTCCGAGGCGGTGCAGAGGGCCACAGCGC
TCATCGAGCAGCGGCTGGCACAGGAGGAGAGAATGAGAACTCCGAGGAGACGCACGCC
AGAAGTGCCTATGGACTTGCTGGTGGTGGAGGATGAGAAGCACCACGGGGCTCAGAGTG
CAGCCCTGCAGAAGGTGAAGGGCAAGAGCGCGTGCAGCAAGACGTCCTGGACCTGCGGC
GGGAGATCATCGATGTGGCGGGATCCAGAACCTCATCGAGCTGCGGAAGAAACGCAAGC
AGAAGAAGCGGGACGCTCTGGCCGCTCGCATGAGCCGCCCCAGAGCCCAGGAGATCA
CTGGCCCTGTGGATGAGGAGACCTTCTGAAAGCTGCGGTGGAGGGGAAAATGAAGGTCA
TTGAGAAGTTCCTGGCTGACGGGGGTACGCCACACGTGCGACCAAGTCCGTCGGACAG
CACTGCACCGAGCTTCCCTGGAAGGCCACATGGAATCCTGGAGAAGCTTCTAGATAATG
GGGCCACTGTGGACTTCCAGGATCGGCTGGACTGCACAGCCATGCATTGGGCCTGCCCGG
GGGGCCACTTAGAGGTGGTGAACCTTCTGCAAAGCCATGGAGCAGACACCAATGTGAGGG
ATAAGTGTGAGCACCCTGCTGCAGTGGCAGTCCGGACAGGGCAGGTGGAGATTGTGG
AGCACTTTCTATCCCTGGGCCTGGAATCAATGCCAGAGACAGGGAAGGGGATACTGCC
TGATGACGCTGTGAGGCTCAACCGCTACAAAATCATCAAATGCTGCTCCTGCATGGGG
CTGACATGATGACCAAGAACCTGGCGGGAAAGACCCCGACGGACCTGGTGCAGCTCTGGC
AGGCTGATACCCGGCACGCCCTGGAGCATCCTGAGCCGGGGGCTGAGCATAACGGGCTGG
AGGGGCCTAATGATAGTGGGCGAGAGACCCTCAGCCTGTGCCAGCCAGTGAATGCGTG
CCCCAGCCAGCCAGCTACCCAGCCCTCTCTGTGTGCAGCCGGAGGGTCTAAGAATGG
CTCCCGGAGCTAACTGAGGGCCAGCCTTTTTTCTGCATGATCCAGGAGCACATAACCACA
AACTACCACAATAAAAAAGCTGTTTTTGTAAAAA

Restriction Sites: Please inquire



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ACCN:	NM_020349
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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>NM_020349.2</u> , <u>NP_065082.2</u>
RefSeq Size:	1462 bp
RefSeq ORF:	1083 bp
Locus ID:	26287
UniProt ID:	<u>Q9GZV1</u>
Cytogenetics:	10q24.2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the use of a downstream in-frame start codon compared to the AUG used in the transcript that produces isoform c. The encoded isoform (a, also known as M-Ankrd2) has a shorter N-terminus compared to isoform c.</p>