

Product datasheet for SC335972

ANKRD2 (NM_001291219) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD2 (NM_001291219) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKRD2
Synonyms:	ARPP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335972 representing NM_001291219. Blue=Insert sequence Red=Cloning site Green=Tag(s)

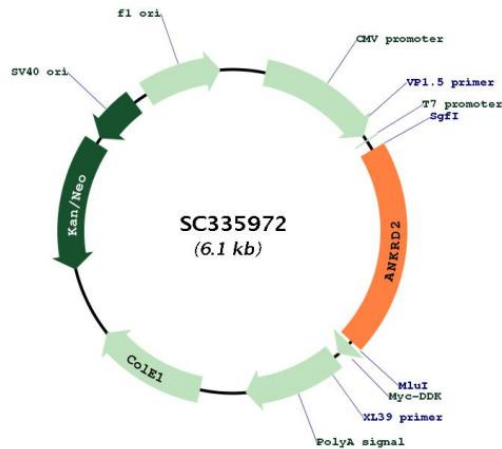
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
ATGCAGCCAGCAGTTCCCTTTTGCAACTCAGTTGCCTTGGCTAAGGCCCAACCAGTCCCAAGTGCTCAG
GACAGAGGCTGGACGGGCTCCTTCTGCACCCCTGCTCTTGGGACACAGTGCCCTCCGGCTCAATAGG
CCAGGAGTTGGGGGGCAACTGGCTCTGCTCCCTGGCCCTGGCTCCCTGCTCCCTGGGGCTGCCCGA
GGTGAAGGTGACAGGTGGGGGAGCAGGTGGAGAATTGGCCAGTGAGCTCATGGCAAAGGCGCCAGC
TGGGCAGGGTGGTCTCTGGCCTATAAAGCCCCGAGGCCCTGTGGCCTGCAGAGCGGTTATGGAC
GGCACCATGGAGGACTCCGAGGCGGTGCAGAGGGCCACAGCGCTCATCGAGCAGCGGCTGGCACAGGAG
GAGGAGAATGAGAACTCCGAGGAGACGCACGCCAGAAGCTGCCATGGACTTGTGGTCTGGAGGAT
GAGAAGCACCCAGGGGCTCAGAGTGCAGCCCTGCAGAAGGTGAAGGGCCAAGAGCGCGTGCAGCAAGACG
TCCTGGACCTGCGGGCGGAGATCATCGATGTGGGCGGGATCCAGAACCTCATCGAGCTGCGGAAGAAA
CGCAAGCAGAAGAAGCGGGACGCTCTGGCCGCCTCGCATGAGCCGCCCCAGAGCCCGAGGAGATCACT
GGCCCTGTGGATGAGGAGACCTTCTGAAAGCTGCGGTGGAGGGGAAAATGAAGGTCAATTGAGAAGTTC
CTGGCTGACGGGGGTCAGCCGACAGTGCACAGTTCCTGCGGACAGCACTGCACCGAGCTTCCCTG
GAAGGCCACATGAAAATCCTGGAGAAGCTTCTAGATAATGGGGCCACTGTGGACTCCAGGATCGGCTG
GACTGCACAGCCATGCATTGGGCTGCCGCGGGGCCACTTAGAGGTGGTAAAATCTGCAAAGCCAT
GGAGCAGACACCAATGTGAGGGATAAAGGAAGGGGATACTGCCCTGCATGACGCTGTGAGGCTCAACCGC
TACAAAATCATCAAAGTCTGCTCCTGCATGGGCTGACATGATGACCAAGAACCCTGGCAGGAAAAGACC
CCGACGGACCTGGTGCAGCTCTGGCAGGCTGATACCCGGCACGCCCTGGAGCATCCTGAGCCGGGGCT
GAGCATAACGGGCTGGAGGGGCCAATGATAGTGGGCGAGAGACCCCTCAGCCTGTGCCAGCCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC



Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001291219

Insert Size: 1242 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_001291219.1](#)

RefSeq Size: 1421 bp

RefSeq ORF: 1242 bp

Locus ID: 26287

UniProt ID: [Q9GZV1](#)

Cytogenetics: 10q24.2

MW: 45.3 kDa

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]
Transcript Variant: This variant (2) lacks an in-frame exon in the 3' coding region compared to variant 1. The encoded isoform (d) is shorter than isoform c.