

## Product datasheet for **RR201420**

### Ankrd1 (NM\_013220) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ankrd1 (NM\_013220) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ankrd1  
**Synonyms:** Alrp; Carp; Crap; MARP  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR201420 representing NM\_013220  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGATGGTTTTTCGAGTAGAGGAGCTGGTAACGGGCAAAAAGAACAGCAATGGGTCCTCAGGGGAGTTCC  
TTCTGGCGAGTTCAGAAATGGAGAGTATGAAGCTGCTGTTGCCTGGAGAAACAAGAGGACTTGAAGAC  
ACTTCCAGCCAACAGTGTGAACCTGGGGGAAGAACAACGAAAAGTGAGAAAGTTCGAGAGGCAGAGCTC  
AAAAAGAAAAAACTAGAACAAAGATCAAAGCTTGAAGAACTTAGAAGACCTTGAAATAATTGTTCAACTGA  
AGAAAAGAAAAAATACAAGAAAATAAAGTTCAGTTGTGAAGGAACCGGAGCCTGAAATTATTACTGA  
ACCTGTGGATGTGCCAAGGTTTCTGAAAGCTGCACTGGAGAACAACCTGCCAGTTGTAGAGAAATTCCTG  
TCAGACAAGAACAGCCCCGACGCTCGCATGAGTATAAACGGACCGCTCTCCATAGAGCATGCTTAGAAG  
GACACTTGGCGATCGTGGAGAAGTTAATGGAGGCTGGAGCCAGATTGAATCCGAGATATGCTGGAATC  
CACAGCCATCCACTGGGCATGTCGTGGAGGAAACCTGGATGTCCTGAACTGTTGCTAAACAAAGGTGCC  
AAAATCAGTGCCCGAGACAAGCTGCTCAGCACAGCGCTGCACGTGGCGGTGAGGACCGGTCACTACGAGT  
GTGCTGAGCACCTCATCGCCTGCGAGGCGGATCTCAATGCCAAGGACAGAGAAGGAGACCCCTCTGCA  
TGATGCGGTGAGTTGAATCGCTACAAGATGATCCGGCTCTTGATGACCTTCGGTGGGACCTCAATGTC  
AAGAAGTGTGCTGGGAAGATCCCTATGGATCTGGTGTGCACTGGCAGAATGGAACCAAAGCGATATTTCG  
ACAGCCTCAAGGAGAATGCCTACAAAACTCGCGCATAGCTACGTTACAGCCTCAAGGAGAATGCCTAC  
AAAACTCGCGCATAGCTACGTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR201420 representing NM\_013220  
 Red=Cloning site Green=Tags(s)

MMVFRVEELVTGKKNSNGSSGEFLPGEFRNGEYEA VALEKQEDLKTLPANSVNLGEEQRKSEKVEAE L  
 KKKKLEQRSKLENLEDEIIVQLKRRKKYKTKVPVVKPEPEPEIITEPVDVPRFLKAALENKLPVVEKFL  
 SDKNSPDVCD EYKRTALHRACLEGLHAI VEKLM EAGA QIEFRDMLESTAIHWACRGNLDV LKLLLNKGA  
 KISARDKLLSTALHVAVRTGHYECAEHLIACEADLN AKDREGDTP LHDAVRLNRYKMIRLLMTFGADLNV  
 KNCAGKIPMDLVLHWQNGTKAIFDSLKENAYKNSRIATFTASRRMPTKTRA\*LR

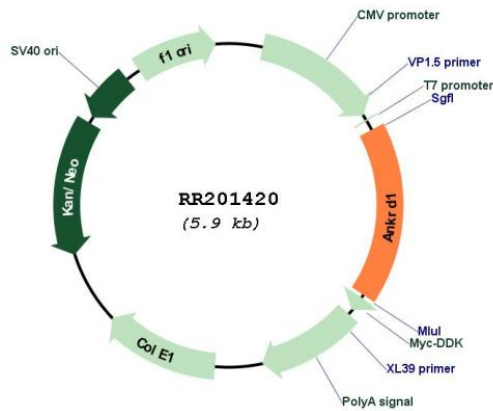
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_013220

**ORF Size:** 957 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq Size:</b>	1749 bp
<b>RefSeq ORF:</b>	960 bp
<b>Locus ID:</b>	27064
<b>UniProt ID:</b>	<a href="#">Q8R560</a>
<b>Cytogenetics:</b>	1q53
<b>MW:</b>	36.1 kDa
<b>Gene Summary:</b>	acts as a negative regulator of cardiac-specific gene expression [RGD, Feb 2006]