

Product datasheet for MR204605

Ankrd1 (NM_013468) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankrd1 (NM_013468) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ankrd1
Synonyms:	Alrp; CARP; Crap; MARP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204605 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGTACTGAGAGTAGAGGAGCTGGTAACAGGCAAAAAGAACAGCAATGGGGCCGAGGGGAATTCC
TTCCTGGGGAGTTCAGAAATGGAGAATATGAAGCTGCTGTTGCTTTGGAGAAGCAAGAGGACCTGAAGAC
ACTTCCGGCCAACAGCGTGAAGCAGGGGGAGGAACAACGAAAAGCGAGAACTGCGAGAGGCAGAGCTC
AAAAAGAAAAAACTAGAACAAAGATCAAAGCTTAAAACCTAGAAGACCTTAAAATAATTGTTCAACTGA
AGAAAAGGAAAAATACAAGAAAACAAAGTTCAGTTGTGAAGGAGCCAGAACCTGAAATTATGACTGA
ACCTGTGGATGTGCCGAGGTTTCTGAAAGCTGCGCTGGAGAACAACCTGCCAGTTGTAGAGAAATTCCTG
TCAGACAAGAACAGCCCCGACGCTCTGCGATGAGTATAAACGGACGGCACTCCACCGAGCATGCTTAGAAG
GACACTTGGCGATCGTGGAGAAGTAAATGGAGGCTGGAGCCCAGATTGAATTCGAGATATGCTTGAATC
CACAGCCATCCACTGGGCATGTCGTGGAGGAAACGCAGATGTCCTGAAACTGTTGCTGAACAAAGGAGCC
AAAATCAGTGCCAGAGACAAGCTTCTCAGCACAGCGCTGCATGTGGCGGTGAGGACTGGTCAATACGAGT
GCGCTGAGCACCTCATCGCTGCGAGGCTGATCTCAATGCCAAGGACAGAGAAGGAGACACCCCACTGCA
TGATGCTGTGAGGCTGAACCGCTATAAGATGATTCGACTCTTGATGACCTTCGGTGCGGACCTCAAGGTC
AAGAAGTGTGCTGGGAAGACCCCATGGATCTGGTGTTCGACTGGCAGAGTGAACCAAGCAATATTCG
ACAGCCTCAAGGAGAATGCCTACAAGAACTCTCGCATAGCTACATTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204605 protein sequence
Red=Cloning site Green=Tags(s)

MMVLRVEELVTGKKNSNGAAGEFLPGEFRNGEYEAVALEKQEDLKTLPANSVKQGEEQRKSEKLREAEI
 KKKKLEQRSKLENLEDEIIVQLKRRKKYKTKVPVVEPEPEIMTEPVDVPRFLKAALENKLPVVEKFL
 SDKNSPDVCDEYKRTALHRACLEGLHAIVEKLEAGAQIEFRDMLESTAIHWACRGNADVLKLLLNKGA
 KISARDKLLSTALHVAVRTGHYECAEHLIACEADLNAKDREGDTPLDHAVRLNRYKMIRLLMTFGADLKV
 KNCAGKTPMDLVLHWQSGTKAIFDSLKENAYKNSRIATF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_013468

ORF Size: 960 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_013468.3](#), [NP_038496.2](#)

RefSeq Size: 1765 bp

RefSeq ORF: 960 bp

Locus ID: 107765

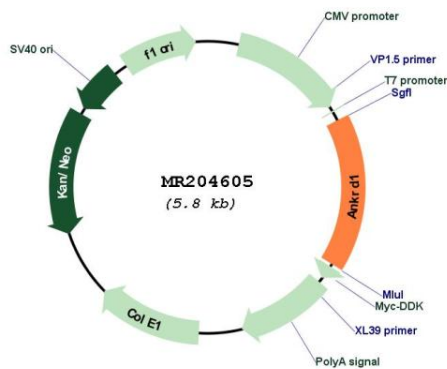
UniProt ID: [Q9CR42](#)

Cytogenetics: 19 C2

MW: 36 kDa

Gene Summary: May play an important role in endothelial cell activation. May act as a nuclear transcription factor that negatively regulates the expression of cardiac genes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204605