

Product datasheet for **RC236498**

ANKRD42 (NM_001300977) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ANKRD42 (NM_001300977) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ANKRD42
Synonyms: PPP1R79; SARP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236498 representing NM_001300977
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCGGGTGGCCAATTCAGGCCCTCCACTTCTCTAGGGAGACTGCAAACCCCTGTTCCAGGAAGA
AGGTGCATTTTGGCAGCATACATGATGCAGTACGAGCTGGAGATGTAAGCAGCTTTCAGAAATAGTGGT
ACGTGGAGCCAGCATTAAATGAACCTTGATGTTCTCCATAAGTTTACCCCTTACATTGGGCAGCACATTCT
GGAAGTTTGGAGTGTCTTCAATTGGCTGCTCTGGCATGGAGCTGATATCACACACGTAACAACGAGAGGTT
GGACAGCATCTCACATAGCTGCAATCAGGGGTGAGGATGCTTGTGTACAGGCTCTTATAATGAATGGAGC
AAATCTGACAGCCAGGATGACCGGGGATGCACTCCTTTACATCTTGCTGCAACTCATGGACATTCTTTC
ACTTTACAATAATGCTCCGAAGTGGAGTGGATCCAGTGTGACTGATAAGAGAGAATGGAGACCTGTGC
ATTATGCAGCTTTTCATGGGCGGCTTGGCTGCTTGAACCTTCTTGTAAATGGGGTTGTAGCATAGAAGA
TGTGGACTACAATGAAAACCTTCCAGAACCTCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236498 representing NM_001300977
Red=Cloning site Green=Tags(s)

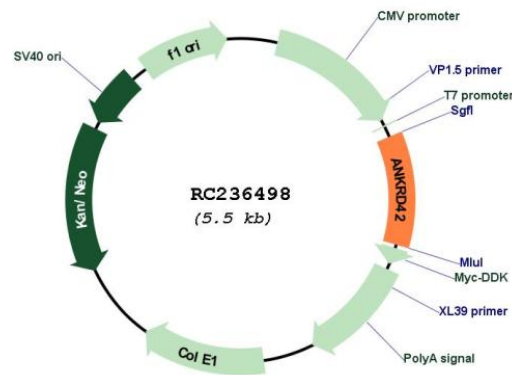
MPGVANS~~GP~~STSSRETANPCSRKKVHFGSIHDAVRAGDVKQLSEIVVRGASINELDVLHKFPLHWAHHS
GSLECLHWLLWHGADITHVTTRGWTASHIAAIRGQDACVQALIMNGANLTAQDDR~~GCT~~PLHLAATHGHSF
TLQIMLRSGVDPSTDKREWRPVHYAAFHGRLGCLQLLVKWGCSI~~EDVD~~YNGNLPEPP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001300977

ORF Size: 594 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_001300977.2](#)

RefSeq Size: 4084 bp

RefSeq ORF: 597 bp

Locus ID: 338699

UniProt ID: [Q8N9B4](#)

Cytogenetics: 11q14.1

MW: 22 kDa