

## Product datasheet for **RC205579**

### **ANKRD19 (NM\_001010925) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ANKRD19 (NM\_001010925) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** ANKRD19  
**Synonyms:** ankyrin repeat domain 19; FLJ36178, bA526D8.2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC205579 representing NM\_001010925  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGGAAGCTCTTCAGCTTCGGGAGACGCCTGGGCCAGGCGCTCCTGGACTCCATGGACCAAGAGTACG  
CTGGTCGGGGGTACCACATCCGGGACTGGGAAGTCCAGGGCTGCCATCAAGGGCGACGC  
CGCGGAGGTGGAGCACTGCCTGACGCGCAGGTTCCGGGACTTGGACGCCCGACAGAAAAGACAGGACT  
GTTCTACATTTGACCTGTGCCCATGGCCGTGTGGAAGTGGTCACCCTCTTGCTGAGCAGAAGATGCCAGA  
TCAACATATATGATAGACTAAACAGGACACCTTTAATGAAGGCTGTACTGCGCAGGAAGAGGCTTGTC  
CATTATTCCTGGAACATGGCGCAATCCAAACATTAAGGATATCTACGCAACTGCTCTCCATTAT  
GCTGTGTATAATAAGGGGACTTCACTGGCAGAAAACTGCTTCCACCATGCAAATATTGAAGCACTAA  
ACGAGGAGGGAACACTCCACTTTTGTGCTATAAAATCTAGGAGACAGCAAATGTGGAATTTCTGTT  
GAAGAACCAGGCAAAATTTACATGCCATTGACAATTTGAGAAGAAGAGCCCTCATGCTTGCAGTACAGCAT  
AACTCATCAAGTATCGTCAGCCTCCTCCTTCAACAAAATATAAATATCTTTTCTCAAGACCTGTTTGGCC  
AGACTGCCGAGGATTATGCTGTTTGTATAAATTCAGAAGCATTCAACAACAAATTTTGGAAACATAAAAA  
TAAGATACTTAAAAGTCATCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RC205579 representing NM\_001010925  
Red=Cloning site Green=Tags(s)

MRKLFSGRRLLGQALLDSMDQEYAGRGYHIRDWELRKIHRAAIKGDAAEVEHCLTRFRFDLDARDRDRDRT  
 VLHLTCAHGRVEVYVTLTLLSRRCQINIYDRLNRTPLMKAVHCQEEACAIILLEHGANPNIKDIYSNTALHY  
 AVYKNGTSLAEKLLSHHANIEALNEEGNTPLLFAINSRRQQIVEFLLKNQANLHAIDNFRRTALMLAVQH  
 NSSSIVSLLLQNNINIFSQDLFGQTAEDYAVCYNFRSIQQQILEHKNKILKSHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1488\\_a12.zip](https://cdn.origene.com/chromatograms/ja1488_a12.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001010925

**ORF Size:** 792 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\\_001010925.2](#), [NP\\_001010925.1](#)

**RefSeq Size:** 2651 bp

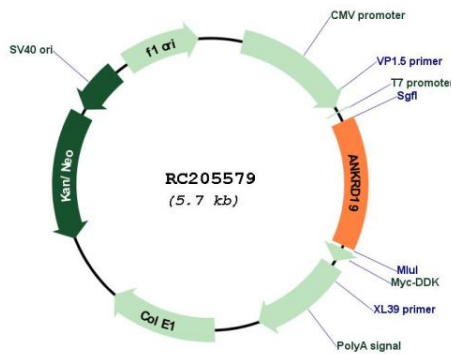
**RefSeq ORF:** 794 bp

**Locus ID:** 138649

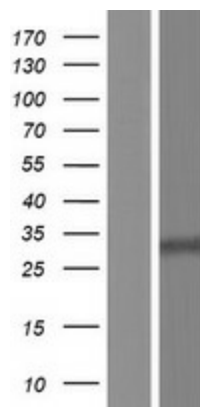
**Cytogenetics:** 9q22.31

**MW:** 30.9 kDa

**Product images:**



Circular map for RC205579



Western blot validation of overexpression lysate (Cat# [LY423233]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205579 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).