

Product datasheet for RC231197

ANKRD63 (NM_001190479) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ANKRD63
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PSI00001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC231197 representing NM_001190479
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTCAAACCAAGGACCTGTGCCCCGAGCGGGGACGCGCACCTTCCTGGAGGCCATGCAGGCGGGCA
AAGTGCACTTGGCCCGCTTCGTGTTGGATGCGCTGGACCGCAGCATCATGACTGCCGCGCGAGCAGGG
CCGTACGCCGCTCATGGTGGCCGTGGGGCTGCCGACCCCGCGCTGCGCGCGCGCTTCGTGCGGCTGCTG
CTCGAGCAGGGTGTGCACTGAACCTGCGAGACGAGCGCGGCCGACCGCACTCAGCCTGGCGTGCAGAGC
GAGGCCACCTGGACGCCGTGCAGCTGCTGGTGCAGTTACGCGGTGACCCCGAGGCGGCCGACTCTGCGGG
CAACAGCCCGGTGATGTGGCGGGCGCCCTGCGGCCACGGGGCGGTGCTCAGATTCTGGTGCAGTCTCTTC
CGCCGCTAGGCCTGCGCCTCGACCGCACCAACCGTGCGGGGCTCACCGCGCTGCAACTGGCCGCCGCC
GCGGCCACGGGACCTGTGTGACGGCCCTCACCGGCCCTGGGGCCGCGCCGCCCGCGCTGCGGCCCG
GGGCTCCAACCTCCGATAGTCCCCCTGGCCGCCCGGCCCGCGGCCAGCCCGAGCATCGACGACCCAGC
CCCCGCGCCTCCGCGGCCCTCTCTGGCGCGCTTTGCGCGAGCGGCGGGCGGCCACGGCGCGAGGCTG
GCTCAGCGGGCAAGAAATTCGGGCCCGCACGGGCGCAGGGCAGCGAACGCCCCGAGCTGGGTTCGAGCAT
GAGCCTGGCTCTAGGTGCGGTAACCGAGGAGGAGGCTGCCCGCCTGCGGGCTGGGGCCCTGATGGCCCTA
CCAACTCGCCCCAGTCTTCGGGGACTGGCGGTGGCGCTCACAGGAGGTGCTGGAGGGAGCGCCCCAA
CCTTAGCGCAAGCCCCATTGGCCTCAGTCCCCACCGAGGGCGGCCCGGCTCTGGCCGCTGGGTTT
GCGCCGACGCTCCACAGCCCCAGATATCCCAGCCTGGTTCGGGGAGGCGCCAGGGCCCGAGAGTGGCCCCG
GAGTTAGAGGCAACGCTCTGTCTGTCTCGGTGCCTGGGCCGAACCTTGGCAGGCGGGCACCGAGGCTG
TGGTGTGCGTGTCTCAGCGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC231197 representing NM_001190479

Red=Cloning site Green=Tags(s)

MLKPKDLCPRAGTRTFLEAMQAGKVHLARFVLDALDRSIIDCRAEQGRTPLMVAVGLPDPALRARFVRL
LEQGAAVNLRDERGRTALSLACERGHLDVQLLVQFSGDPEAADSAGNSPVMWAAACGHGAVLEFLVRSF
RRLGLRLDRTNRAGLTALQLAAARGHGTVCVQALGTPWGRAAAAAARGSNSDSPGRPAPAAASPEHRRPS
PRRLPRLLARFARAAGGHGGEAGSAGKNSGRHRAQGSERPELGRSMLALGAVTEEEAARLRAGALMAL
PNSPQSSGTGRWRSQEVLEGAPPTLAQAPIGLSPHPEGPGSGRLGLRRRSTAPDIPSLVGEAPGPESGP
ELEANALSVSPGPNPWQAGTEAVVLRAQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

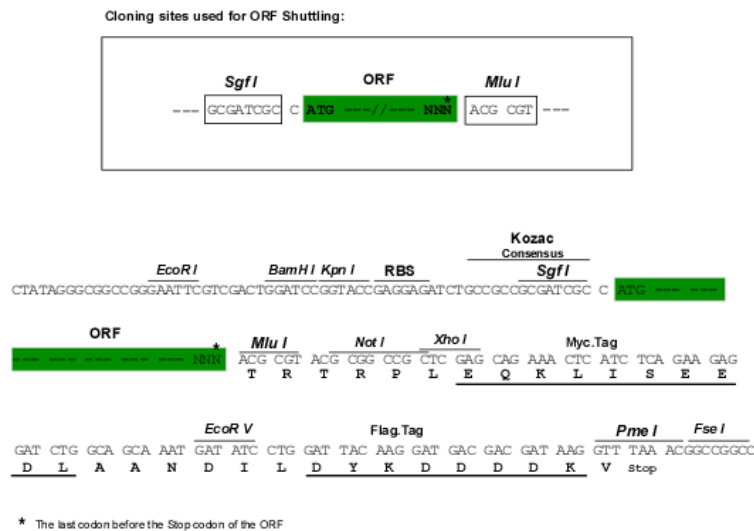
Chromatograms:

https://cdn.origene.com/chromatograms/ja1294_d03.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001190479

ORF Size:

1140 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001190479.2](#)

RefSeq ORF: 1143 bp

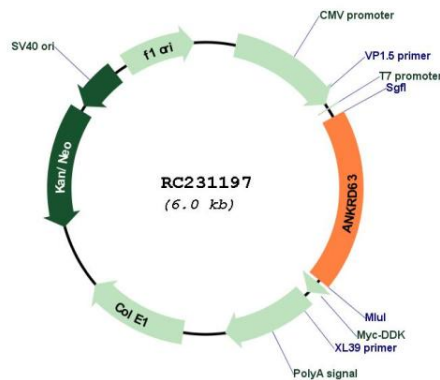
Locus ID: 100131244

UniProt ID: [C9JTQ0](#)

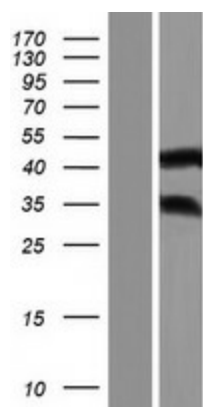
Cytogenetics: 15q15.1

MW: 40.1 kDa

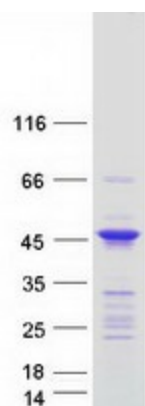
Product images:



Circular map for RC231197



Western blot validation of overexpression lysate (Cat# [LY434196]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC231197 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ANKRD63 protein (Cat# [TP331197]). The protein was produced from HEK293T cells transfected with ANKRD63 cDNA clone (Cat# RC231197) using MegaTran 2.0 (Cat# [TT210002]).