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Product datasheet for RC224186

ANKIB1 (NM_019004) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ANKIB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC224186 representing NM_019004
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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ATGGGAAATACAACCACCAAATTCCGTAAAGCACTCATCAATGGTGATGAAAACCTGGCCTGCCAAATAT
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TGCTAAGTGCAAGTATGACTTTTGCTGGATTTGCCTTGAAGAGTGGAAAAAACATAGTTCGTCCACTGGA

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GGTTATTACAGATGTACTCGCTATGAAGTCATTCAACACGTGGAGGAGCAATCCAAGGAAATGACTGTGG
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Protein Sequence:

>RC224186 representing NM_019004
Red=Cloning site Green=Tags(s)

MGNTTTKFRKALINGDENLACQIYENNPQLKESLDPNTSYGEPYQHNTPLHYAARHGMNKILGTFLGRDG
NPNKRNVHNETSMHLLCMGPQIMISEGALHPRLARPTEDDFRRADCLQMILKWKGAKLDQGEYERAAIDA
VDNKKNTPLHYAAASGMKACVELLVKHGGDLFAENENKDTPCDCAEKQHHKDLALNLESQMVFSRDPEAE
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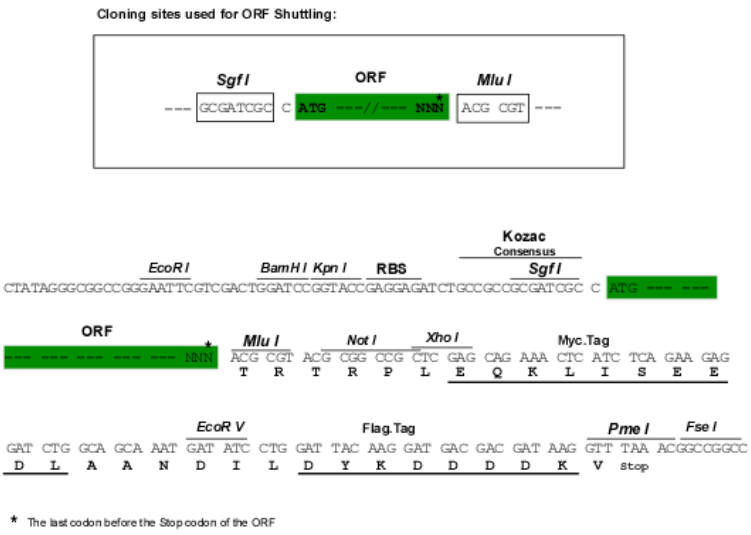
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8044_c01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019004

ORF Size: 3267 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.

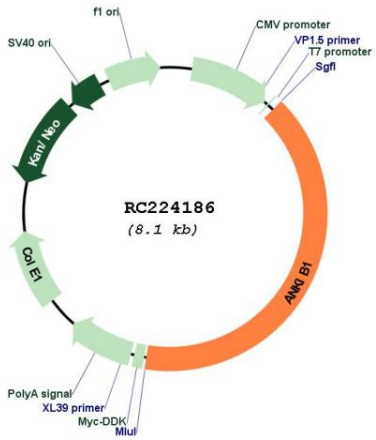
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

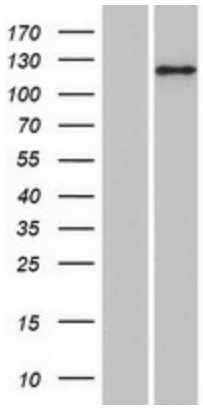
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_019004.2
RefSeq Size:	6081 bp
RefSeq ORF:	3270 bp
Locus ID:	54467
UniProt ID:	Q9P2G1
Cytogenetics:	7q21.2
Protein Families:	Druggable Genome
MW:	121.8 kDa
Gene Summary:	Might act as an E3 ubiquitin-protein ligase, or as part of E3 complex, which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes and then transfers it to substrates. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC224186



Western blot validation of overexpression lysate (Cat# [LY412842]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224186 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).