

Product datasheet for **RC226961**

ANKUB1 (NM_001144960) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ANKUB1
Synonyms:	C3orf16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >RC226961 representing NM_001144960
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGGATTTTCATCGCCTTTGAAGGATCTTTGAACCGTTTGATGTTTCAGCAGATGAACTGTGGAGG
 TTGTCAAGCTGATGATAAAGGATTATTTCCACATTCTCTCTCTGAAGACAAACAAGGCAGGCGGTATCT
 GGAGTTAATGTATGCTGGAGCTGCTCTAAAGGACAGTTGGAGTCTTGCTGATGTTGGAATATCTTCTGT
 TCAACTCTCAATGCTTTGTTAAGGAAGAAGACAAGCCTACTCTATACGTGTTCAATGCTGTAACCAAG
 ACACAAATGCCAGTAATGGAGAGCATTTCCCTTCTTGATAAAACAGTGTCTGATCTGAGAACACTGGTAAC
 TCTGAGATGTGGCCTCCCGTGAGTGTCTACTGTCTCGAAGCCCAAGGGCCCTGGAGATGTATGATTGC
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 GCCCTGAAGCAGGGTGCAGGCCCCACGAGGCAGTCCGTGTTACCCCTATCGAGCATGGTGCCATGAAG
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 GGCTTTGTCAACTACAGTGTCTGTGCTGGAATGCAAAATGCAGCAGGACAACTCCCTGACCATT
 GTGTTCAACACAAAGCATAAAGACTGTGTATTATTTGCTCAGTAAATGTGGTCCACAGTTTCTTTTC
 CAAAAATTTCAAGTCCCAATGAGGATTATATTTAAATAAACAAATGGATCCTCAGAGCTCAGAGTCACAG
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 GGTTTACCAAAACCAAAATGACCTCCAAGAGCTGGCATAAGGCTGGGAACAGCGACTCACAAGCATCG
 TGCTCAAGTACCATCTCTCAGCAACAACTGCAAGCAGCAAACTGTCAATCCTTTGGCAATTTTACA
 GCCGGACACAAGAAAACAGCCCTCAAATTCATCCACTGGTGAATGCAAGTTCATTCTCTGAATTACAA
 AAACATCAACAACAAAATCAGAAAAAATTAAGTCCACAGCTAGGAAAAAGAAAGCTCATAAAAAACA
 CATATCTTCCCAAGTCCCTCCCTCCAGTTTCAAGAGTGGGATATTCACATCCATCGTTTTCTATGC
 AACCCAGTGTGACTTTTACTGAAGTCTCCTTCTCATCTTTCTTAGAGCACAGTGGGAAGACTCCA
 TGGGAGAAGCAATCTACTGCTTAGCTGTGGCAAGTGCCTTTAAAGAGAAACGATGGCTTCAGCAGTTAG
 AAATAGCAAGAGTCTGGCCAAAAGAGCATTTCTAATTGACTACCCGAGGAGGTCTGACAGCGTGTGA
 AAACCTCTAGAACTGTGCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226961 representing NM_001144960
 Red=Cloning site Green=Tags(s)

MRIFIAFEFSFEPFDVSADETVEVVKLMIKDYFHIPLSEDKQRRYLELMYAGAALKDSWSLADVGISFC
 STLKCFVKEEDKPTLYVFAVQDTPVMESISLLDKTVSDLRLVTLRCGLPVSVMYCLRTPRGLEMYDC
 NTLKDYQTDIGTTLRDLVDGWKEFLMGCLLGQKLKQRYLSKEGPVLKYQKRVLYIAAFCGYIELTEW
 ALKQGARPHAEVGVHPYRAWCHEALHADVSKCPIHAAAEAGQLLILKAFVNSVLCECKNAAGQPLTI
 VFKHKHKDCVLYLLSKMWSTVSFPKISVPMRIYIKIKQWILRAQSHSLHKSQFCGARVFGAKVGDVVMVD
 GFTKPKMTSKSWHKAGNSDSQSIVLKPLSLSKQTASSKPVNPLAISQPDTRKQALKFHPLVNASSFSELQ
 KHQQNQKKITATARKKEKLIKNTYLPQVPLPPVSRVGYSHPSFFYATPSADFLKSSFSFLEHSGKTP
 WENAIYCLAVASAFKEKRWLQLEIARVLAKKSISNLTTRGGLTACENSLETVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8032_f12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001144960

ORF Size: 1632 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_001144960.3](#)

RefSeq ORF: 1635 bp

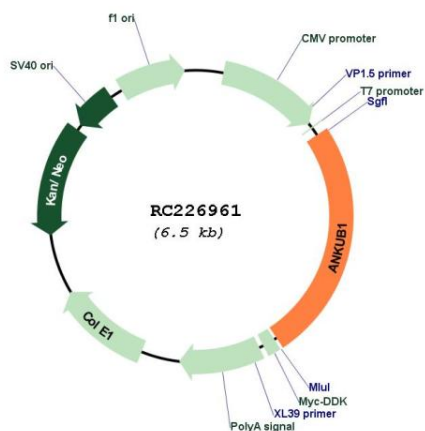
Locus ID: 389161

UniProt ID: A6NFN9

Cytogenetics: 3q25.1

MW: 61 kDa

Product images:



Circular map for RC226961