

Product datasheet for **RR205847**

Anks6 (NM_001015028) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anks6 (NM_001015028) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anks6
Synonyms:	Pkdr1; Samd6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR205847 representing NM_001015028
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCGAGGGCGCGCTGGCCCCGGCCTGCAGCTGCTGCTCCGCGCCTGCGAGCAGGGTACACCGGACA
 CGGCGCGCGCCTGCTGGAGCCAGGAGGGGAGCCGGTCGCGGGGTCCGAGGCGGGAGCGGAGCCGGCAGG
 GCCCGAGGCGGCCCGGGCAGTGGAGGCCGGACGCCGGTGCCGGTGGACTGCTCGGATGAGGCGGGCAAC
 TCGGCGCTGCAGCTGGCGGCGCCGGTGGTACGAGCCACTCGTGAGGTTCTGCTGCGCCGCGGAGCCT
 CGGTCAACAGCCCAACCACTACGGCTGGAGCGCCTCATGCAGGCGGCCAGGTGTGGGCATGCGAGCGT
 GGCACACCTCCTTTGGATCATGGAGCTGATGTCAACGCTCAGAATCGGCTGGTGCCAGTGTGCTCACT
 GTGGCTTCCCGAGGGGGCCACCTGGGTGTGGTAAACTGCTGCTCGAGGCGGCCACTGTGGACCATC
 GTAACCTTCTGGAGAGTCAACAGCATCGGGAGGCAGCAGGGACGAACTGCTGGGCATCACAGCCCTGAT
 GGCTGCCGTCAGCATGGGCATGAGGCCGTCGTACGCCTGCTGATGGAGTGGGTGCGGACCCCAACCAC
 ACAGCCCGGACTGTGGGCTGGAGCCCTCTGATGCTGGCAGCCCTCCTCGGGAAGCTCAGTGTGGTGCAGC
 AGCTGGTGCAGAAAGGGAGCCAACCCGACCACCTCGGCCTGCTGGAGAAGACAGCCTTCGAGTTGCCCT
 TGACCGAAAACACAGGATCTAGCTGATTACCTGGACCCACTGACCACTGTGAGGCCAAAACAGATGAG
 GAGAAGAGGCGACCTGATATTTCCACGCCCTGAAGATGGGAAACTTCCAGCTGGTCAAGGAGATTGCTG
 ACGAAGACCCCAACACGTGAACCTGGTCAACGGGACGGGGCGACCCCACTGATGCTGGCTGCTGCAC
 GGGACAGTTGCCCTGGTACAGCTGCTGGTAGAGAAGCATGCAGACATGAACAAGCAGGACAGCGTGCAT
 GGCTGGACGGCCCTCATGCAGGCCACCTACCATGGAAATAAAGAAATTGTAAGTATCTGCTAAATCAAG
 TGACACTGAACTTGTTCCGACTGCTAGCGTCTGTGTGCATGCAGGTGAATAAGGACCGAGGTGGTCCGCCC
 AGCCACCGTCCACCCCTGCCCACTCGAAGGCCAGGCAACCTGGAGCATCCCCATGCTGCCCGACGACA
 AGGGAGGCTGAAGTCTGGTGGAGCCGGATGTCCAACAGGTTCCGAAAACCTCAAATTTATGCAGACACT
 GCCACGCGGGCTGGTGGCAACCAACCTTTGCCTTTCTGACGAGCCTGAGCTGGCACTGGACTCCACC
 ATGCGGGACCCCGGAGCAGGACTAACCACCTTGGGCCACCTGAAGCAGCCCATGCAGCCAAAGACA
 GTGGCCCTGGGAACCCGAGAAGGGAGAAGGACGATGTGTTACTGACGACCATGCTGCGCAATGGAGCCCC
 CTTCCCCGGCTCCCAAGTGAAGCTGAAGGCCGTCATCCACCCTTCTGCCCGCTCCAGCTTCGAA
 CTGTGGAGCTCCGACAGTCCCAGCAGTGTCCCAATGGGAAGGGCAGCCCATGAAGACTGTGCTGCCCC
 CAAGAGCCAGCAGGGCCACCCTGTGGGCTGCGTGGGCACAGACGGTGTGCTGGCAGGCCAGTCAAATT
 CCCCAGCATCTCCAGGAGCCCCACGTCCCTGCCAGCTCCGGAACTTTAACCACTCGCCTCATTCTTCA
 GGGGTGCCAGTGGCGTGGGCGAGCATGAGCAGGCTGGGGGAGAGCTGCATAACCCTCAGGTGGCAGCG
 TAGACAGTGTCTCTCCAGATCGCTGCTCAGAGGAAAAAGCGGCTGGCCTGTGTGAGCAGAAGCCCC
 CTGCCAGCAGTCCAGTCTGTGGGGCAGCGACCGGCTCCAGCCACCTGAGCTGCCAGCCTCCCTCCTG
 GGCAGTGGTAGTGGCTCTTCCAATGTTACTTCCAGCAGCAAGAACTGGACCCTGGCAAACGGCCTCCCT
 CTGGAATCTGCTACCTCTAAAAGCACCTCTCCACCCTCACGCCTTCCCCCTCTCCAAAGGCCACAC
 TCGGAGTCCCTCAGTGTCTTCTCCTCGTCCCACCGCAATCTAAGAGCAGTGGGGGCTCTAGCAGTGGC
 ACCATCACCGATGAGGATGAGCTGACTGGAATCCTTAAGAAGTTACTTGGAGAAATACCAGCCATCT
 TCGAGGAGCAAGAGGTGGACATGGAAGCTTTCCTCACACTCACCGACGGTACCTGCAGGAGCTGGGGAT
 TAAGACGGATGGTTCCCGGACGAGATTCTGGCGGCACTCTGAGCTGAATGCGGGCAAGGGGCGTGAG
 AGGCAGATTCTACAGGAAACCAATCACAACTTCCACTTCTCTTTGAGAGCAGCGCCAGCAACACCAGAG
 CCCCTGGCAACAGTCCCTCCATGGCCGGATGGGTAAAGGCCAGAAGAAACAGTGTGAGCAGGAGGCCCT
 GGCAACAGTCCCTCCATGGCCGGATGGGTAAAGGCCAGAAGAAACAGTGTGAGCAGGAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205847 representing NM_001015028
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MGEGALAPGLQLLLRACEQGDTDTARRLLEPGGEPVAGSEAGAEPAGPEAARAVEAGTPVPVDCSDEAGN
 SALQLAAAGGHEPLVRFLLRRGASVNSRNHYGWSALMQAARCGHASVAHLLLDHGADVNAQNRLGASVLT
 VASRGGHLGVVKKLLLEAGATVDHRNPSGESTASGGSRDDELGITALMAAVQHGHEAVVRLLEMEWGADPNH
 TARTVGSPLMLAALLGKLSVVQQLVEKGANPDHLGVLEKTAFEVALDRKHRDLADYLDPLTTVRPKTDE
 EKRRPDIHFHALKMGNFQLVKEIADEDPNHVNLVNGDGATPLMLAAVTGQLPLVQLLVEKHADMNKQDSVH
 GWTALMQATYHGKNEIVKYLLNQADVTLRAKNGYTAFDLVMLLNDPDTLVRLLASVCMQVKNKDRGGRP
 SHRPPPLPHSKARQPWSIPMLPDDKGGKLSWWSRMSNRFRKLLMQTLPRGLAANQPLPFSDPELALDST
 MRAPPQDRTNHLGPPEAAHAAKDSGPGNPREKDDVLLT TMLRNGAPFRLPSDKLKAVIPFPLPSSFE
 LWSSDRSRTC PNGKADPMKTVLPTRASRAHPVGCVGTGGAAGRPVKFPSISRSPTSPASSGNFNHSPHSS
 GGASGVGSMSRLGGELHNRSGGSVDSVLSQIAAQRKKAAGLCEQKPPCQSSPVGPATGSSPELPA
 SLLGSGSGSSNVTSSSKLDPGKRPPSGTSATSKSTSPTLTPSPSPKGHTAESVSSSSSHRQSKSSGSSSG
 TITDEDELTGILKKLSLEKYQPIFEEQEVDMFAFLTLTDGDLQELGIKTGDSRQQLAAISELNAGKGRE
 RQILQETIHNHSSFESSASNTRAPGNPSMAGWVRPEETVSSRRPLATVPPWPDG*GQKKQCRAG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1275_b03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

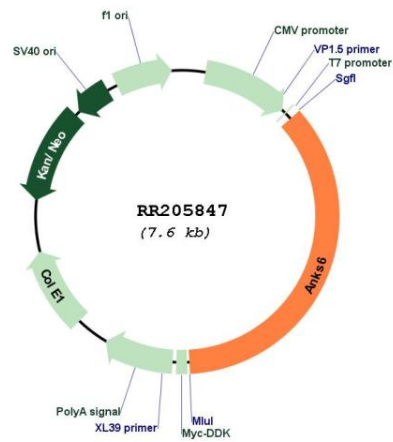


* The last codon before the Stop codon of the ORF

ACCN: NM_001015028

ORF Size:	2655 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:	<ol style="list-style-type: none">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 Size:	4367 bp
RefSeq ORF:	2658 bp
Locus ID:	362515
UniProt ID:	P0C0T2
Cytogenetics:	5q22
MW:	93.8 kDa
Gene Summary:	predicted gene locus whose mutation causes polycystic kidney disease in the Han:SPRD cy/+ rat strain (PKD), a model for human autosomal dominant polycystic kidney disease [RGD, Feb 2006]

Product images:



Circular map for RR205847