

Product datasheet for **RR214208**

Anks3 (NM_001009676) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anks3 (NM_001009676) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anks3
Synonyms:	RGD1305833
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RR214208 representing NM_001009676
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTGAGCTCAGCGATGAAGCCAGCGAGCCGGAGCTTCTGAACCCAGCTTGTCCATGTGGCATGGAC
 TTGGTGCACAGGTCAGCAGAGAGGAGCTGGATGTCCCCTTGGATCTTACACAGCTGCCTCCATTGGCCA
 GTATGAGTGGTGAAGGAGTGTGTGCAGCGGAGAGAGTTAGATTTGAATAAGAAGATGGTGGTGGCTGG
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 GTGTGAATGTGCCAACCCAGAAGGACAGACTCCACTGATGCTGGCCTCCAGCTGTGTAACGAGAGCAT
 CGCCTACTTCTGCTCCAGCAAGGTGCAGAGCTTGAGATGAAAGACATCCAGGGCTGGACTGCACCTTTT
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 AGTAGAGAGCTGCCTCCTGGAGCAGGATAGTGCCCGAAAGGACATCCATGCCAGCTGCAGGAGGCCAA
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 GGCATTATGCTCCGTAACGCAGAGCCTGGAGAACTACAGATGCTGAATGGGAAGAAATGGAGGGAACCA
 TAGCCAGGAGGGACGATTCTGACGTTGGG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214208 representing NM_001009676
Red=Cloning site Green=Tags(s)

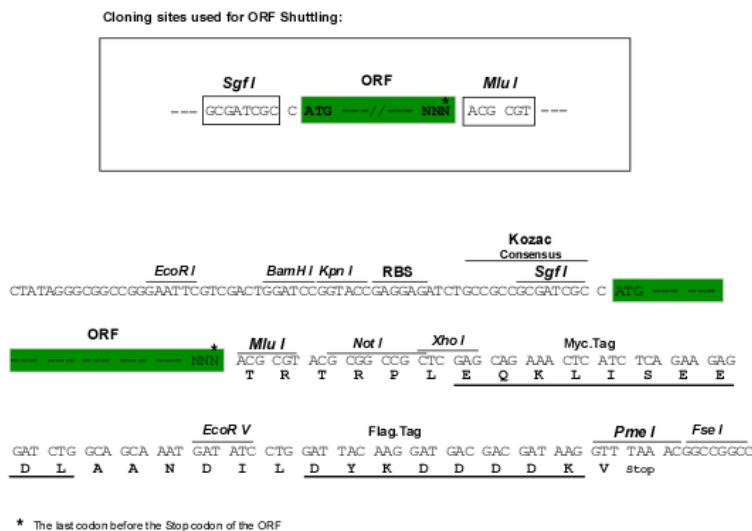
MSEL SDEASEPELLNRSLSMWHGLGAQVSREELDVPLDLHTAASIGQYEVVKECVQRRELDLNKKNGGG
 TPLMYASYIGHDTIVHLLLEAGVSVNVPTEGQTPMLASSCGNESIAYFLLQQGAELEMKDIQGWTALF
 HCTSAGHQMQVKFLLSEGANANVREPVYGFPLMEAAAAGHEII VQYFLNHGVKVDTRDHSGATARMLAK
 QYGHMKIVALMETHSPVLPKSLYRSSENYEDLSSSDESWPVPQRQRPCRKKGLSIEHGPRALARITATGL
 GGKTPDSYEQVPPRGYVFTSSDENTMEGELCYRDVTSPINERDVESSSSSREPTFCASLGPVWRSS
 SSDGLARAQGLSSEASIESNEDSDHARKSSVRKQTRTYLKNKSRHNNSDGHWPSSTGTARTPGSEPQAEK
 SPYSGPQDLATLLEQIGCLKYLQVFEEQVDLRIFLTLTESDLKEIGITLFGPKRKM TSAIARWHSSARP
 PSDALELAYADRLEAEMQELAIQLHKCCEAEALRGQVSQEQLRAVVESCLLEQDSARKDIHAQLQEAQ
 TLAQDAALVLDQLRACQAE SARLKQHSPSEATQNPFLPADSKGWPIPLQALSPELSGALEDRVHEM
 GIMLRNAEPGETDAEWEEMEGTIARRDDSDVG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001009676

ORF Size: 1989 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_001009676.1](#), [NP_001009676.1](#)

RefSeq Size: 2419 bp

RefSeq ORF: 1992 bp

Locus ID: 302937

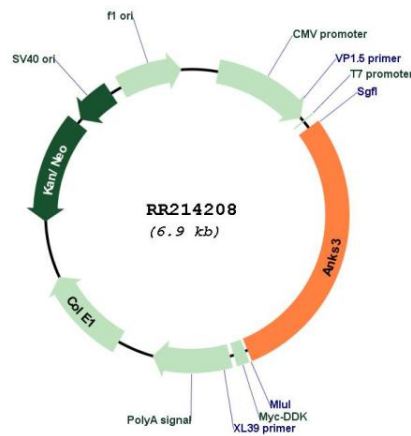
UniProt ID: [Q5M9H0](#)

Cytogenetics: 10q12

MW: 73 kDa

Gene Summary: May be involved in vasopressin signaling in the kidney.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR214208