

## Product datasheet for **RN214208**

### Anks3 (NM\_001009676) Rat Untagged Clone

#### Product data:

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



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**Fully Sequenced ORF:** >RN214208 representing NM\_001009676  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCAGCTCAGCGATGAAGCCAGCGAGCCGGAGCTTCTGAACCCAGCTTGTCCATGTGGCATGGAC  
 TTGGTGCACAGGTCAGCAGAGAGAGCTGGATGTCCCCTTGATCTTACACAGCTGCCTCCATTGGCCA  
 GTATGAGGTGGTGAAGGAGTGTGTGCAGCGGAGAGAGTTAGATTTGAATAAGAAGATGGTGGTGGCTGG  
 ACTCCGCTGATGTATGCCTCCTACATTGGACACGATACCATTGTTCACTTGTCTGCTCGAGGCAGGTGTGA  
 GTGTGAATGTGCCAACCCAGAAGGACAGACTCCACTGATGCTGGCCTCCAGCTGTGGAACGAGAGCAT  
 CGCCTACTTCTGCTCCAGCAAGGTGCAGAGCTTGAGATGAAAGACATCCAGGGCTGGACTGCACCTTT  
 CACTGCACCAGTGCCGGCCACCAGCAGATGGTCAAGTTTCTTCTGGAGAGTGGAGCCAATGCCAACGTGA  
 GGAACCTGTATATGGATTCACTCCTTTGATGGAAGCAGCTGCCGCTGGCCATGAGATAATTGTGCAGTA  
 TTTTCTGAATCATGGAGTCAAAGTGGACACAAGAGACCACAGTGGAGCCACAGCCGGATGCTAGCCAAG  
 CAGTATGGTCACATGAAGATTGTGGCTTTGATGGAAACTCACTCACCTGTACTGCCAAGAGCCTCTACC  
 GTAGCTCAGAAAATATGAAGACCTGAGCTCTTACAGATGAGTCCCTGGCCTGTTCCCTCAGCGCCAGAGGCC  
 CTGTGCAAAAGAGGGCCTGAGTATCCACGAGGGCCTCGCGCCCTGGCCAGGATCACAGCTACTGGACTG  
 GGAGGCAAGACTCCGGACAGCTATGAGCAAGTTCTCCACGGGGCTATGTGACCTTACCAGCAGTGATG  
 AGAACACCATGGAAGGCGAGGGCCTCTGCTACCGAGATGTCACTTCCCCATCAATGAACGCGATGTGGA  
 GAGCAGTAGCAGCAGCAGCCGGGAGGAACCCACTTTCTGTGCCAGTCTTGGGCTGTGTGGAGGAGCAGC  
 AGCAGTGTGGCTAGCAAGAGCCAGGGTCTCAGCAGTGAAGCCTCCATAGAGAGCAATGAGGATCTG  
 ATCACGCCCGCAAAGCTCGGTTTCGTAACAAACCAGGACTTATTTGAAGAATAAGAGTCGTCACAACAA  
 CAGTGTGGTCACTGGCCTTCTAGCACAGGACTGCTCGCACTCCAGGGTCTGAACCCCAAGCTGAGAAG  
 TCCCTTACTCAGGACCCAGGATCTTGCCACACTGTTGGAACAGATCGGCTGTCTAAAGTACCTGCAAG  
 TGTTTGAGGAGCAGGATGTAGACCTGCGTATCTTTCTGACCCTCACTGAAAGCGACCTGAAGGAAATTGG  
 CATCACGTTGTTGGGCCAAAAGGAAAATGACCTCTGCCATTGCCGATGGCACAGTAGTCCCGCCCA  
 CCTAGTGATGCCCTAGAGCTGGCCTATGCTGACCGGCTGGAGGCGGAGATGCAGGAGCTTCCATCCAGC  
 TGCACAAATGCTGTGAGGAGGCAGAGGCTCTGCGTGGCCAAGTCTCCAGGAGCAGGAATTGCGGGCTGT  
 AGTAGAGAGCTGCCTCCTGGAGCAGGATAGTGCCCGAAAGGACATCCATGCCAGCTGCAGGAGGCCAA  
 ACCCTGGCCAGGATGCTGCTCTTGCTCCTAGACCAGCTGCGGGCCTGTCAAGCTGAGTTGTGAGCTCGAT  
 TGAAGCAGCACCCTCCCCAGCGAAGCTACCCAAAACCCACCCTTTCTCCAGCAGATTCCAAAGGCTG  
 GCCTATTTCCCTGCAGGCCTTGAGCCTCCCTGAGTTGTGACGAGCCCTGGAAGACCGTGTCCATGAGATG  
 GGCATTATGCTCCGTAACGCAGAGCCTGGAGAACTACAGATGCTGAATGGGAAGAAATGGAGGGAACCA  
 TAGCCAGGAGGGACGATTCTGACGTTGGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001009676

**Insert Size:** 1992 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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

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