

Product datasheet for **MR209798**

Anks3 (NM_028301) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anks3 (NM_028301) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anks3
Synonyms:	2700067D09Rik; C81345; mKIAA1977
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR209798 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCAGCTCAGCGATGAAGCCAGCGAGCCGGAGCTCCTGAAGCGCAGCCTGTCCATGTGGCACGGGC
 TTGGTGCCAGGGCAGCCAGAGGAGCTGGATGTCCCCTTGATCTTCACACAGCTGCCTCATTGGCCA
 GCATGAGGTGGTGAAGGAGTGTGTGCAGCGGGAGAGTTAGATTTGAATAAGAAGATGGTGGTGGTTGG
 ACAGCGCTGATGTATGCCTCCTACATTGGACACGATACCATTGTTCACTTGCTGCTTGAGGCAGGCGTGA
 GTGTGAATGTGCCAACCCGGAAGGACAGACTCCACTGATGCTGGCCTCCAGCTGTGCCAACGAAAGCAT
 TGCCTACTTTCTGCTCCAGCAAGGTGCAGAGCTTGAGATGAAAGACATCCATGGCTGGACTGCACCTTTC
 CACTGTACCAGTGCCGGCCACCAACAGATGGTCAAATTTCTTCTGGAGAGTGGAGCCAATGCCAACGTGA
 GGGAGCCTGTATATGGATACACTCCTTTGATGGAAGCAGCTGCCTCTGGCCATGAGATAATTGTGCAGTA
 TTTTCTGAATCACGGAGTCAAAGTGGACACAAGAGACCACAGTGGAGCGACAGCCTGCATGTTAGCCAGG
 CAGTTTGGTCACATGAAGATTGTAGCCTTGATGGAACCTCACTCACCTGTACTGCCAAAGAGCCTCTACC
 GTAGCCAGAAAAATATGAAGATCTGAGCTCTTACAGATGAGTCCTGGCCTGTTCCCTCAGCGCCAGAGGCC
 CTGCCGAAAAAGGGCCTCAGTATCCATGAGGGGCCGCGTGCCCTGGCCAAGATCACAGCTATTGGACTC
 GGAGGGAAGACTCAGACCACCTATGAGCAAGTCCCTCCACGGGGCTACGTGACCTTACCAGCAGTGATG
 AGAATACCATGGAAGCGAGGGCCTCTGCTACAGAGACGTCACTTCCCCATCAATGAACAGGATGTGGA
 GAGCAGTAGCAGCAGCAGCCGGGAGGAACCCACTTTCTGTGCCAGTCTTGGGCCTGTGTGGAGGAGCAGC
 AGCAGTGTAGCCCTAGCAAGAGCCAGGGTCTCAGCAGTGAAGCCTCCATAGAAAGCAATGAGGATTCTG
 ATCATGCCCGAAAAGCTCGGTTCCGAAAACAACCAGGAGTTATTTGAAGAATAAGAGTCGTACGGCAA
 CAGTGATGGTCATTGGCCTTCCAGCACAGGGCCTGCTTCCATTCCAGGGTCTGAACCCAACTGAGAAG
 TCTCCTTACTCAGGACCCAGGACCTTGCCACACTGCTGGAACAGATCGGGTGTCTGAAGTACCTGCAAG
 TGTTTCGAGGAGCAGGACATAGACCTGCGTATCTTTCTGACTCTCACTGAAAGCGATTTGAAGGAAATTGG
 CATCACGTTGTTGGGCCAAAAGGAAAATGACCTCTGCCATTGCCCGCTGGCACAGCAGTGCCCGCCCA
 CCTAGTGATGCCCTAGAGCTGGCCTATGCTGACCGGCTGGAGACTGAGATGCAGGAGCTTGCATTCACT
 TGCATAAATGCTGTGAGGAGGCAGAGGCTCTGCGTGGCCAGGTATCCAGGAGCAGGAATTGCGGGCTGT
 AGTAGAGAGCTGCCTCCTGGAGCAGGATAGTGCCCGAAAAGGACATCCATGCCAGCTGCAGGAGGCCAA
 ACCCTGGCCAGGATGCTGCCCTTGCTTGGACCAGCTGCGGGCCTGTCAAGCTGAGCTGTGAGCTCGAT
 TGCGGCAGCACCCTCCCCAGGGAAGGTACTCCAACCACACTTTCTCTCAGCAGATTCCAAAGGCTG
 GCCATTCCCCTGCAGGCCTTGAGCCTCCCTGAGTTGTGAGGAGCCCTGGAAGACCGTGTCCATGAGATG
 GGGCAGCGTTATGCTCTGTAACACAGAGCTTGGAGAACTACAGATGCTGAATGCAAGAAATGGCGGG
 AACCG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209798 protein sequence
Red=Cloning site Green=Tags(s)

MSEL SDEASEPELLKRSLSMWHGLGAQGSPEELDVPLDLHTAASIGQHEVVKECVQRGELDLNKKNGGGW
 TALMYASYIGHDTIVHLLLEAGVSVNVPTEGQTPMLASSCGNESIAYFLLQQGAELEMKDIHGWTALF
 HCTSAGHQMQVKFLLSEGANANVREP VYGYTPLMEAAA SGHEII VQYFLNHGVKVDTRDHSGATACMLAR
 QFGHMKIVALMETHSPVLPKSLYRSPEKYEDLSSSDES WPVPQRQRPCRKKGLSIEHGPRALAKITAIGL
 GGKTQTTYEQVPPRGYVFTSSDENTMESEGLCYRDVTSPINEQDVESSSSSSREEPTFCASLGPVWRSS
 SSDGLARAQGLSSEASIESNEDSDHARKSSVRKQTRS YLKNKSRHGNSDGHWPSSTGPASIPGSEPQTEK
 SPYSGPQDLATLLEQIGCLKYLQVFEEQIDLRIFLTLTESDLKEIGITLFGPKRKM TAIARWHSSARP
 PSDALELAYAD RLETEMQELAIQLHKCC EAEALRGQVSQEQLRAVVESCLLEQDSARKDIHAQLQEAQ
 TLAQDAALVLDQLRACQAE L SARLRQHSPREGTPNPHFLSADSKGWPIPLQALSPELSGALED RVHEM
 GQALCSVTQSLEKLQMLNAKKWREP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_028301

ORF Size: 1968 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_028301.4](#)

RefSeq Size: 2483 bp

RefSeq ORF: 1968 bp

Locus ID: 72615

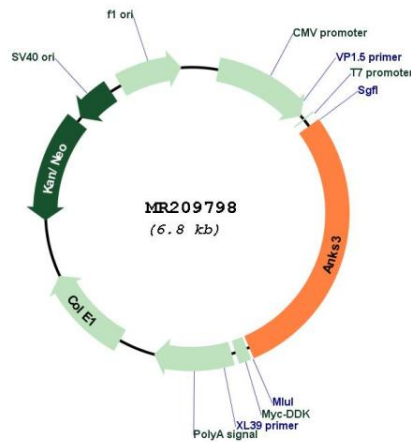
UniProt ID: [Q9CZK6](#)

Cytogenetics: 16 2.48 cM

MW: 72.1 kDa

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

Product images:



Circular map for MR209798