

Product datasheet for **MR207497**

Anks3 (BC051143) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anks3 (BC051143) 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)



[View online »](#)

ORF Nucleotide Sequence:

>MR207497 representing BC051143
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTGAGCTCAGCGATGAAGCCAGCGAGCCGGAGCTCCTGAAGCGCAGCCTGTCCATGTGGCACGGGC
 TTGGTGCCAGGGCAGCCAGAGGAGCTGGATGTCCCCTTGATCTTCACACAGCTGCCTCCATTGGCCA
 GCATGAGGTGGTGAAGGAGTGTGTGCAGCGGGAGAGTTAGATTGAATAAGAAGATGGTGGTGGTTGG
 ACACCGCTGATGTATGCCTCCTACATTGGACACGATACCATTGTTCACTTGCTGCTTGAGGCAGGCGTGA
 GTGTGAATGTGCCAACCCGGAAGGACAGACTCCACTGATGCTGGCCTCCAGCTGTGGCAACGAAAGCAT
 TGCCTACTTTCTGCTCCAGCAAGGTGCAGAGCTTGAGATGAAAGACATCCATGGCTGGACTGCACTCTTC
 CACTGTACCAGTGCCGGCCACCAACAGATGGTCAAATTTCTTCTGGAGAGTGAGCCAATGCCAACGTGA
 GGGAGCCTGTATATGGATACACTCCTTTGATGGAAGCAGCTGCCTCTGGCCATGAGATAATTGTGCAGTA
 TTTTCTGAATCACGGAGTCAAAGTGACACAAGAGACCACAGTGGAGCGACAGCCTGCATGTTAGCCAGG
 CAGTTTGGTCACATGAAGATTGTAGCCTTGATGGAACTCACTCACCTGTACTGCCCAAGAGCCTCTACC
 GTAGCCAGAAAAATATGAAGATCTGAGCTCTTCAGATGAGTCCCTGGCCTGTTCTCAGCGCCAGAGGCC
 CTGCCGAAAAAGGGCCTCAGTATCCATGAGGGGCCGCGTGCCCTGGCCAAGATCACAGCTATTGGACTC
 GGAGGGAAGACTCAGACCACCTATGAGCAAGTCCCTCCAGGGGTACGTGACCTTCACCAGCAGTGATG
 AGAATACCATGGAAGCGAGGGCCTCTGCTACAGAGACGTCACTTCCCCCATCAATGAACAGGATGTGGA
 GAGCAGTAGCAGCAGCAGCCGGGAGGAACCCACTTTCTGTGCCAGTCTTGGGCCTGTGTGGAGGAGCAGC
 AGCAGTGATGGCTAGCAAGAGCCAGGGTCTCAGCAGTGAAGCCTCCATAGAAAGCAATGAGGATTCTG
 ATCATGCCCGAAAAGCTCGGTTGAAAAACAAACCAGGAGTTATTTGAAGAATAAGAGTCGTACAGGCAA
 CAGTGATGGTCATTGGCCTTCCAGCACAGGGCCTGCTTCCATTCCAGGGTCTGAACCCCAACTGAGAAAG
 TCTCTTACTCAGGACCCAGGACCTTGCCACACTGCTGGAACAGATCGGTGTCTGAAGTACCTGCAAG
 GTTTCGAGGAGCAGGACATAGACCTGCGTATCTTTCTGACTCTCACTGAAAGCGATTTGAAGGAAATTGG
 CATCACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207497 representing BC051143
 Red=Cloning site Green=Tags(s)

MSELSDEASEPELLKRSLSMWHGLGAQGSPEELDVPLDLHTAASIGQHEVVKECVQRGELDLNKNNGGGW
 TALMYASYIGHDTIVHLLLEAGVSVNVPTEGQTPLMLASSCGNESIAYFLLQQGALEMKDIHGTALF
 HCTSAGHQMQVKFLLSGANANVREPVGTYPLMEAAASGHEIIVQYFLNHGVKVDTRDHSAGATAACMLAR
 QFGHMKIVALMETHSPVLPKSLYRSPEKYEDLSSDESWPVQRPQRPCRKGLSIEGPRALAKITAIGL
 GGKTQTTYEQVPPRGYVFTSSDENTMESEGLCYRDVTSPIREQDVSSSSSSREEPTFCASLGPVWRSS
 SSDGLARAQGLSSEASIESNEDSDHARKSSVRKQTRSYLKNKSRHGNSDGHWPSSTGPASIPGSEPQTEK
 SPYSGPQDLATLLEQIGCLKYLQVFEEQIDLRIFLTLTESDLKEIGIT

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: BC051143

ORF Size: 1407 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: [BC051143.1](#)

RefSeq Size: 1885 bp

RefSeq ORF: 1409 bp

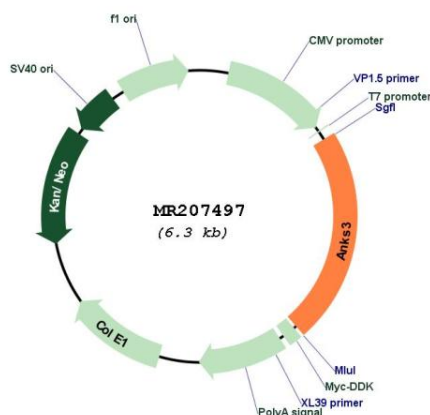
Locus ID: 72615

Cytogenetics: 16 2.48 cM

MW: 51.3 kDa

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

Product images:



Circular map for MR207497