

Product datasheet for **MG207497**

Anks3 (BC051143) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anks3 (BC051143) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Anks3
Synonyms:	2700067D09Rik; C81345; mKIAA1977
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207497 representing BC051143
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTGAGCTCAGCGATGAAGCCAGCGAGCCGGAGCTCCTGAAGCGCAGCCTGTCCATGTGGCACGGGC
 TTGGTGCCAGGGCAGCCAGAGGAGCTGGATGTCCCCTTGATCTTCACACAGCTGCCTCCATTGGCCA
 GCATGAGGTGGTGAAGGAGTGTGTGCAGCGGGAGAGTTAGATTGAATAAGAAGATGGTGGTGGTTGG
 ACACCGCTGATGTATGCCTCCTACATTGGACACGATACCATTGTTCACTTGCTGCTTGAGGCAGGCGTGA
 GTGTGAATGTGCCAACCCGGAAGGACAGACTCCACTGATGCTGGCCTCCAGCTGTGGCAACGAAAGCAT
 TGCCTACTTTCTGCTCCAGCAAGGTGCAGAGCTTGAGATGAAAGACATCCATGGCTGGACTGCACTCTTC
 CACTGTACCAAGTCCCGGCCACCAACAGATGGTCAAATTTCTTCTGGAGAGTGGAGCCAATGCCAACGTGA
 GGGAGCCTGTATATGGATACACTCCTTTGATGGAAGCAGCTGCCTCTGGCCATGAGATAATTGTGCAGTA
 TTTTCTGAATCACGGAGTCAAAGTGGACACAAGAGACCACAGTGGAGCGACAGCCTGCATGTTAGCCAGG
 CAGTTTGGTCACATGAAGATTGTAGCCTTGATGGAACTCACTCACCTGTACTGCCCAAGAGCCTCTACC
 GTAGCCAGAAAAATATGAAGATCTGAGCTCTTCAGATGAGTCCCTGGCCTGTTCCCTCAGCGCCAGAGGCC
 CTGCCGAAAAAGGGCCTCAGTATCCATGAGGGGCCGCGTGCCCTGGCCAAGATCACAGCTATTGGACTC
 GGAGGGAAGACTCAGACCACCTATGAGCAAGTCCCTCCAGGGGCTACGTGACCTTCACCAGCAGTGATG
 AGAATACCATGGAAGCGAGGGCCTCTGCTACAGAGACGTCACTTCCCCCATCAATGAACAGGATGTGGA
 GAGCAGTAGCAGCAGCAGCCGGGAGGAACCCACTTTCTGTGCCAGTCTTGGGCCTGTGTGGAGGAGCAGC
 AGCAGTGATGGCTAGCAAGAGCCAGGGTCTCAGCAGTGAAGCCTCCATAGAAAGCAATGAGGATTCTG
 ATCATGCCCGAAAAGCTCGGTTGAAAAACAAACCAGGAGTTATTTGAAGAATAAGAGTCGTACACGCAA
 CAGTGATGGTCATTGGCCTTCCAGCACAGGGCCTGCTTCCATTCCAGGGTCTGAACCCCAAACCTGAGAAG
 TCTCCTTACTCAGGACCCAGGACCTTGCCACACTGCTGGAACAGATCGGGTGTCTGAAGTACCTGCAAG
 TGTTGAGGAGCAGGACATAGACCTGCGTATCTTTCTGACTCTCACTGAAAGCGATTTGAAGGAAATTGG
 CATCACG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207497 representing BC051143
 Red=Cloning site Green=Tags(s)

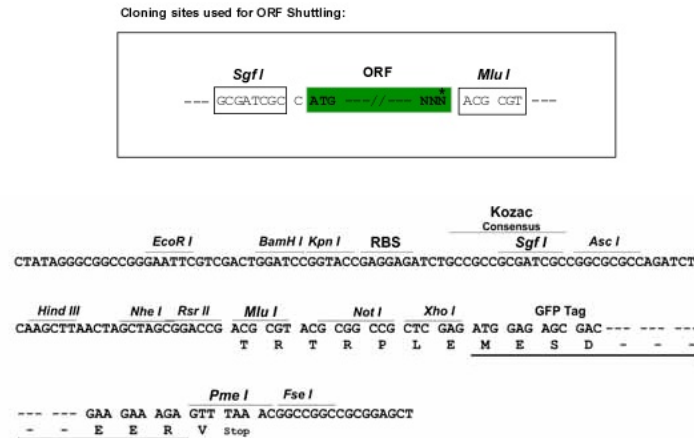
MSELSDASEPELLKRSLSMWHGLGAQGSPEELDVPLDLHTAASIGQHEVVKECVQRGELDLNKKNGGGW
 TALMYASYIGHDTIVHLLLEAGVSVNPTPEGQTPLMLASSCGNESIAYFLLQQGALEMKDIHGWALF
 HCTSAGHQMVKFLLESGANANVREPVGTYPLMEAAASGHEIIVQYFLNHGVKVDTRDHSAGATAACMLAR
 QFGHMKIVALMETHSPVLPKSLYRSPEKYEDLSSDESWPVPQRQPCRKGLSIHEGPRALAKITAIGL
 GGKTQTTYEQVPPRGYVFTSSDENTMESEGLCYRDVTSPIREQDVESSSSSSREPTFCASLGPVWRSS
 SSDGLARAQGLSSEASIESNEDSDHARKSSVRKQTRSILKNKSRHGNSDGHWPSSTGPASIPGSEPQTEK
 SPYSGPQDLATLLEQIGCLKYLQVFEEQDIDLRIFLTLTESDLKEIGIT

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

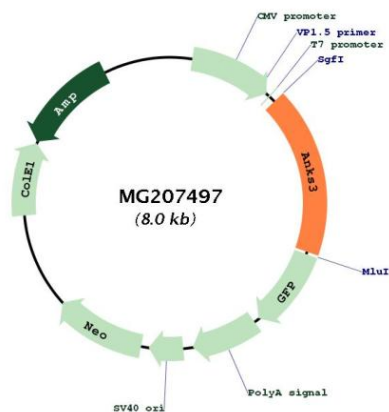


ACCN:	BC051143
ORF Size:	1407 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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

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

Product images:



Circular map for MG207497