

Product datasheet for **MR224239**

Anks6 (NM_001024136) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anks6 (NM_001024136) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anks6
Synonyms:	2210417J20Rik; Ankrd14; b2b1801.1Clo; Gm635; SamCystin; Samd6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224239 representing NM_001024136
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCGAGGGCGCGCTGGCCCCGGCCTGCAGCTGCTGCTCCGCGCCTGCGAGCAGGGTACACCGACA
 CGGCGCGCGCCTGCTGGAGCCAGGCGCGGACCCGGTCGCGGGGCCAGGCGGGAGCGGAGCCGGCAGG
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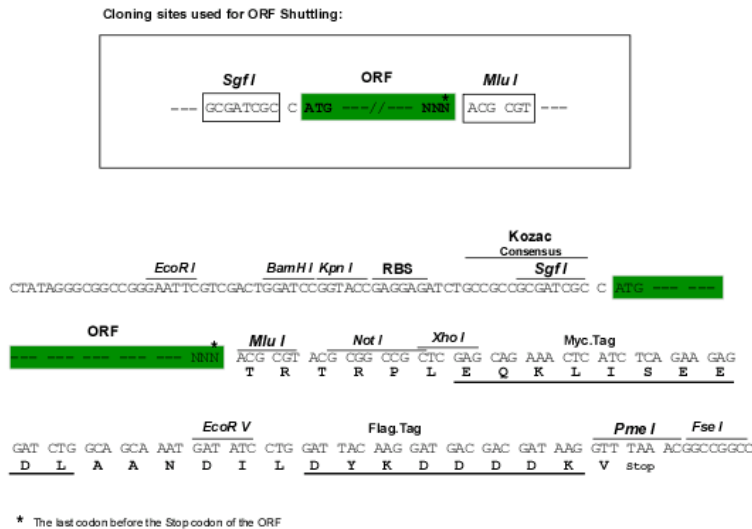
Protein Sequence: >MR224239 representing NM_001024136
 Red=Cloning site Green=Tags(s)

MGEGALAPGLQLLLRACEQGDTDTARRLLEPGADPVAGPEAGAEPAGPEAVRAAEAGAPVPVDCSDEAGN
 SALQLAAAGGHEPLVRFLLRRGASVNSRNHYGWSALMQAARCGHVSVAHLLLDHGADVNAQNRLGASVLT
 VASRGGHLGVVKLLLEAGAIVDHHTPSGESPATGGSGDELLGITALMAAVQHGEAVVRLMEWGADPNH
 TARTVGWSPMLAALLGKLNVAQQLVEKGANPDHLSVLEKTAFEVALDRKYRDLAEYLDPLTTVRPKTDE
 EKRRPDIFYALKMGNFQLVKEIADEPNHVNLVNGDGATPLMLAAVTGHLPLVQLLVEKHADMDKQDSVH
 GWTALMQATYHGNKEIVKYLLNQGADVLRKNGYTAFDLVMLLNDPDELVRLLASVCMQVKNDRGRPS
 HRPPLPHSKARQPWSIPVLPDDKGGKLSWWSRMSNRFRKLMQTLPRGLAANQPLPFSDEPELALDSTM
 RAPPQDRTSHLGPPEAAHATKDSGPGNPRREKGDVLLTTMATSRPVKFSPISRSPASSPASSGSFNHSPHS
 SGGASGIGMSRLGGELHSRSGGSVDSVLSQIAAQRKKAAGLCEQKPRQSSPVGPATSSSPPELPASLP
 SSGSGSSSGPSSSKLDPKRPPSGTSATSKSTSPTLTPSPSPKGHTAESSVSSSSSHRQSKSSGGSSSG
 TITDEDELTGILKKLSLEKYQPIFEEQEVDMFAFLTLTDGDLQELGIKTDGSRQQILAAISELNAGKGRE
 RQILQETIHNHSSFESSASNTRAPGNPMSMAGWTRPEETVSSRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9049_f03.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001024136

ORF Size: 2445 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_001024136.2](#)

RefSeq Size: 3552 bp

RefSeq ORF: 2448 bp

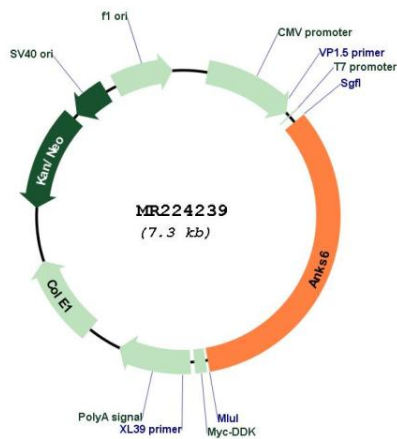
Locus ID: 75691

Cytogenetics: 4 B1

MW: 86.7 kDa

Gene Summary: Required for renal function.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224239