

## Product datasheet for **MR225524**

### Anxa11 (NM\_013469) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Anxa11 (NM_013469) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anxa11
Synonyms:	A830099O17Rik; Anx11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR225524 representing NM\_013469  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCTACCCAGGCTACCTCCACCTGCCGGTGGCTACCCTCCAGCTGCACCAGGTGGTGGTCCCTGGG  
 GAGGTGCTGGCTACCCTCCTCCCAGCATGCCCCCTATCGGGCTGGATAAGGTAGCCAACATATGCGGGCA  
 GTTCAACCAGGACTACCTCTCAGGCATGGCAGCCAACATGTCTGGAACATTTGGAGGAGCCAACGTGCCA  
 AATCTGTATCCTGGGGCTCCTGGGGTGGCTATCCTCCAGTCCCTCCTGGTGGCTTTGGGCAGCCCCCTC  
 CTGCCAGCAGCCTGTCCCTCCTATGGAATGTATCCGCCCCAGGAGGAAACCCACCTCTGGGATGCC  
 TTCATATCCAGCCTACCCAGGGGCCCTGTGCCAGGCCAGCCTATGCCACCCACTGGGCAGCAGCCCCCA  
 GGGGCCTATCCTGGGCAGCCTCCAATGACCTATCCTGGGCAGTACCAATGCCACCCCTGGGCAGCAGC  
 CAGTGCCAAGTTACCCAGGATACTCGGGATCTAGTACCATCACCCCTGCTGTGCCACCAGCCAGTTTGG  
 AAACCGAGGTACCATCACTGCTGCTTCTGGATTTGACCCCTTGGCAGATGCCGAGGTCTGCGCAAGGCT  
 ATGAAGGGCTTTGGAACGGATGAGCAGGCCATCATCGACTGCCTGGGGAGCCGGTCCAACAAAGCAGCGTC  
 AGCAGATCCTCCTATCCTTCAAGACGGCCTATGGCAAGGATTTGATCAAAGACCTAAAATCAGAAGTGT  
 GGGAAACTTTGAGAAGACTATCCTGGCCCTGATGAAGACCCCGGTCTGTTTGTGTCTATGAGATAAAG  
 GAAGCTATCAAGGGGGCTGGTACTGATGAGGCCTGCCTGATTGAGATCTTCGCTTCCAGAAGTAACGAAC  
 ACATCCGGGAGCTAAGCAGGGCCTACAAAAACAGAGTTCAAAAAACTCTGGAGGAGGCCATTGAAAGCGA  
 CACATCAGGACACTTCCAGCGGCTCCTCATCTCTCTCAGGGAAACCGTGATGAGAGCACAATGTG  
 GACATGTCCCTTGTCCAGAGAGATGTCCAGGAGCTGTATGCAGCTGGGGAGAACCCTGGGAACAGACG  
 AGTCCAAGTTCAACGCCATCCTGTGCTCCCGGAGCCGGCCACCTGGTGGCAGTTTTCAACGAGTATCA  
 GAGGATGACGGGCGGAGACATTGAGAAGACATCTGCCGGGAGATGTCTGGGGACCTGGAGCAGGGCATG  
 CTGGCTGTGGTGAATGCCTCAAGAACACCCCGCCTTCTTTGCTGAAAGGCTCAACAAGGCTATGAGGG  
 GAGCAGGAACAAAGGACCGGACCCTGATTCGCATCATGGTGTCTCGCAGCGAGCTTGACCTGCTGGATAT  
 CCGAGCAGAGTATAAGCGGATGTACGGCAAGTCACTGTACCACGATATCACGGGAGATACTCTGGAGAC  
 TATCGAAAGATTCTACTGAAGATCTGTGGTGGCAACGAC

**ACCGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:**

>MR225524 representing NM\_013469  
 Red=Cloning site Green=Tags(s)

MSYPGYPPPAGGYPPAAPGGGPWGGAGYPPPSMPPIGLDNVANYAGQFNQDYL SGMAANMSGTFGGANVP  
 NLYPGAPGGGYPPVPGGFQPPPAQQPVPYGYMPPPGNPPPGMPSYPAYPGAPVPGQPMPPTGQPPP  
 GAYPGQPPMTYPQSPMPPPGQQPVPSYPGYSSTITPAVPPAQFGNRGTITAASGFDPLRDAEVLKKA  
 MKGFGTDEQAIIDCLGSRSNKQRQQILL SFKTA YGKDL IKDLKSEL SGNFEKTILALMKTPVLFVYIEIK  
 EAIKAGTDEACLIEIFASRSNEHIRELSRAYKTEFQKLEEAIRS DTS GHFQRLLISLSQGNRDESTNV  
 DMSLVQRDVQEL YAAGENRLGTDESKFNAILCSRSRAHLVAVFNEYQRMTGRDIEKSICREMSGDLEQGM  
 LAVVKCLKNTPAFFAERLNKAMRGAGTKDRTLIRIMVSRSELDLLDIRAEYKRMYGKSLYHDITGDTSGD  
 YRKILLKICGGND

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9046\\_h07.zip](https://cdn.origene.com/chromatograms/mm9046_h07.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**ACCN:** NM\_013469

**ORF Size:** 1509 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_013469.2](#), [NP\\_038497.2](#)

RefSeq Size: 2413 bp

RefSeq ORF: 1512 bp

Locus ID: 11744

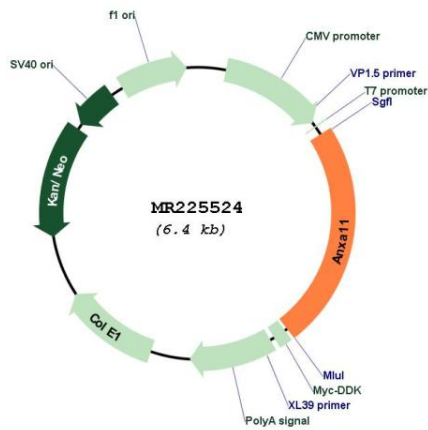
UniProt ID: [P97384](#)

Cytogenetics: 14 15.06 cM

MW: 54.5 kDa

**Gene Summary:** Required for midbody formation and completion of the terminal phase of cytokinesis (By similarity). Binds specifically to calcyclin in a calcium-dependent manner.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR225524