

Product datasheet for **MG225524**

Anxa11 (NM_013469) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anxa11 (NM_013469) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Anxa11
Synonyms:	A830099O17Rik; Anx11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG225524 representing NM_013469
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCTACCCAGGCTACCTCCACCTGCCGGTGGCTACCTCCAGCTGCACCAGGTGGTGGTCCCTGGG
 GAGGTGCTGGCTACCTCCTCCCAGCATGCCCCCTATCGGGCTGGATAAGGTAGCCAACATGCGGGGCA
 GTTCAACCAGGACTACCTCTCAGGCATGGCAGCCAACATGTCTGGAACATTTGGAGGAGCCAACGTGCCA
 AATCTGTATCCTGGGGCTCCTGGGGTGGCTATCCTCCAGTCCCTCCTGGTGGCTTTGGGAGCCCCCTC
 CTGCCAGCAGCCTGTCCCTCCTATGGAATGTATCCGCCCCAGGAGGAAACCCACCTCCTGGGATGCC
 TTCATATCCAGCCTACCCAGGGGCCCTGTGCCAGGCCAGCCTATGCCACCCACTGGGCAGCAGCCCCCA
 GGGGCTATCCTGGGCAGCCTCCAATGACCTATCCTGGGCAGTACCAATGCCACCCCTGGGCAGCAGC
 CAGTGCCAAGTTACCCAGGATACTCGGGATCTAGTACCATCACCCCTGCTGTGCCACCAGCCAGTTTGG
 AAACCGAGGTACCATCACTGCTGCTTCTGGATTTGACCCCTTGGCAGATGCCGAGGTCTCGCAAGGCT
 ATGAAGGGCTTTGGAACGGATGAGCAGGCCATCATCGACTGCCTGGGGAGCCGGTCCAACAAGCAGCGTC
 AGCAGATCCTCCTATCCTTCAAGACGGCCTATGGCAAGGATTTGATCAAAGACCTAAAATCAGAAGTGT
 GGGAAACTTTGAGAAGACTATCCTGGCCCTGATGAAGACCCCGGTCTGTTTGTGTCTATGAGATAAAG
 GAAGCTATCAAGGGGGCTGGTACTGATGAGGCCTGCCTGATTGAGATCTTCGCTCCAGAAGTAACGAAC
 ACATCCGGGAGCTAAGCAGGGCCTACAAAAACAGAGTCCAAAAAACTCTGGAGGAGGCCATTGGAAGCGA
 CACATCAGGACACTTCCAGCGGCTCCTCATCTCTCTCAGGGAAACCGTGATGAGAGCACAATGTG
 GACATGTCCTTGTCCAGAGAGATGTCCAGGAGCTGTATGCAGCTGGGGAGAACCCTGGGAACAGACG
 AGTCCAAGTTCAACGCCATCCTGTGCTCCCGGAGCCGGCCACCTGGTGGCAGTTTTCAACGAGTATCA
 GAGGATGACGGGCGAGACATTGAGAAGAGCATCTGCCGGGAGATGTCTGGGGACCTGGAGCAGGGCATG
 CTGGCTGTGGTGAATGCCTCAAGAACACCCCGCCTTTTGTGAAAGGCTCAACAAGGCTATGAGGG
 GAGCAGGAACAAAGGACCGGACCCTGATTCGCATCATGGTGTCTCGCAGCAGGCTTGACCTGCTGGATAT
 CCGAGCAGAGTATAAGCGGATGTACGGCAAGTCACTGTACCACGATATCACGGGAGATACTTCTGGAGAC
 TATCGAAAGATTCTACTGAAGATCTGTGGTGGCAACGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG225524 representing NM_013469
 Red=Cloning site Green=Tags(s)

MSYPGYPPPAGGYPPAAPGGGPWGGAGYPPPSMPPIGLDNVANYAGQFNQDYL SGMAANMSGTFGGANVP
 NLYPGAPGGGYPPVPPGGFGQPPPAQQPVPYGYMYPGGNPPPGMPSYPAYPGAPVPGQPMPPTGQPP
 GAYPGQPPMTYPGQSPMPPPGQPVPSYPGYSGSSTITPAVPPAQFGNRGTITAASGFDPLRDAEVLKKA
 MKGFGTDEQAIIDCLGSRSNKQRQIILLSFKTAYGKDLIKDLKSEL SGNFEKTILALMKTPVLFVYIEIK
 EAIKGAGTDEACLIEIFASRSNEHIRELSRAYKTEFQKLEEAIRSDTSGHFQRLILISLQGNRDESTNV
 DMSLVQRDVQELYAAGENRLGTDESKFNAILCSRSRAHLVAVFNEYQRMTGRDIEKSI CREMSGDLEQGM
 LAVVKCLKNTPAFFAERLNKAMRGAGTKDRTLIRIMVSRSELDLLDIRAEYKRMYGKSLYHDITGDTSGD
 YRKILLKICGGND

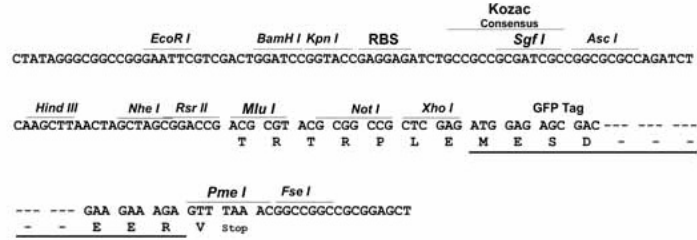
TRTRPLE - GFP Tag - V

Restriction Sites:

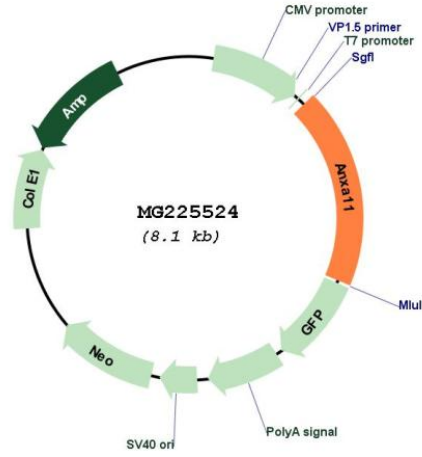
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_013469
 ORF Size: 1509 bp

OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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
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]