

Product datasheet for **MG216256**

Anxa3 (NM_013470) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Anxa3
Synonyms:	Anx3
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216256 representing NM_013470
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCTCTATCTGGTTGGACCTCGAGGAACCATAAAAGATTATCCAGGCTTTAGCCCGTCGGTGGATG
CCGAAGCTATCCGAAAAGCGATCAGAGGACTTGGGACTGACGAGAAAACCCATCAACATTCTGACGGA
GCGGTCAACGCGCAGCGACAGCTGATTGTCAAGCAGTACCAAGCAGCGTATGAACAGGAGCTGAAAGAT
GACTTGAAGGGTGATCTCTCTGGCCACTTCGAGCACGTCATGGTGGCTCTTGTACTGCACCAGCCCTGT
TTGATGCGAAGCAACTGAAGAAATCCATGAAGGAACTGGCACAGATGAAGATGCCCTGATTGAAATCCT
AACAACCAGGTCAAGCAGGCAGATGAAGGAAATCTCGCAGGCCTATTATACAGTGTATAAGAAGAGCCTC
GGGGATGACATTAGCTCTGAGACGCTGGAGACTTCGGAAAAGCTCTGCTGACTCTGGCAGATGGTAGAA
GAGATGAAAGCCTCAAAGTGGATGAACATCTGGCCAAAAGGATGCTCAGATCCTCTATAATGCTGGTGA
GAACAAATGGGGCACAGACGAAGACAAATTCACCGAGGTCTTGTGTCTACGGAGCTTCCCGCAGCTGAAA
CTAACATTTGATGAGTACAGAAATATTAGCCAGAAGGACATTTGAGGACAGCATTAAAGGAGAATTATCTG
GACATTTTGAAGACCTGCTGCTGGCCATAGTTCAATGTGCGAGGAACACTCCAGCGTTTTTGGCAGAAAG
ACTTCATCAGGCTTTGAAGGGTGTGGAACAGATGAATTAAGTCTGAACAGAATAATGGTTCCAGATCA
GAGATTGATCTTTTGGACATCAGACATGAGTTCAAGAAGCACTATGGCTACTCTATACTCGGCCATCC
AATCAGATACTTCTGGAGACTACAGAACCTGTGCTTGAAGATCTGTGGAGAAGATGAT

ACCGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG216256 representing NM_013470
Red=Cloning site Green=Tags(s)

MASIWVPRGTIKDYPGFSPSVDAEAIKRAIRGLGTDEKTLINILTERSNAQRQLIVKQYQAAAEQELKD
 DLKGDLSGHFEHVMVALVTAPALFDAKQLKSMKGTGTDEDALIEILTTRSSRMKEISQAYTYVYKSL
 GDDISSETSGDFRKALLTLADGRRDESLKVDEHLAKKDAQILYNAGENKWGTDEDKFTEVLCRSPQLK
 LTFDEVRNISOQDIEDSIKELSGHFEDLLLAIVHCARNTPAFLAERLHQALKGAGTDEFTLNRMVSR
 EIDLLDIRHEFKHYGSLYSAIQSDTSGDYRTVLLKICGEDD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_013470

ORF Size: 969 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: [NM_013470.2](#), [NP_038498.2](#)

RefSeq Size: 1619 bp

RefSeq ORF: 972 bp

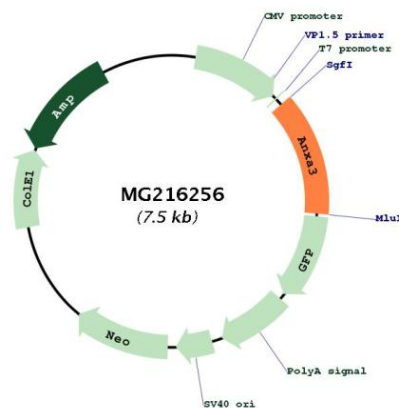
Locus ID: 11745

UniProt ID: [O35639](#)

Cytogenetics: 5 47.29 cM

Gene Summary: Inhibitor of phospholipase A2, also possesses anti-coagulant properties.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216256