

## Product datasheet for **RG201569**

### Annexin A1 (ANXA1) (NM\_000700) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Annexin A1 (ANXA1) (NM_000700) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Annexin A1
Synonyms:	ANX1; LPC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201569 representing NM_000700 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAATGGTATCAGAATTCCTCAAGCAGGCCTGGTTTATTGAAAATGAAGAGCAGGAATATGTTCAA  
CTGTGAAGTCATCAAAGGTGGTCCCGGATCAGCGGTGAGCCCTATCCTACCTCAATCCATCCTCGGA  
TGTCGCTGCCTTGATAAGGCCATAATGGTTAAAGGTGTGGATGAAGCAACCATCATTGACATTCTAACT  
AAGCGAAACAATGCACAGCGTCAACAGATCAAAGCAGCATATCTCCAGGAAACAGGAAAGCCCTGGATG  
AAACACTGAAGAAAGCCCTTACAGGTCACCTTGAGGAGTTGTTTTAGCTCTGCTAAAACTCCAGCGCA  
ATTTGATGCTGATGAACTTCGTGCTGCCATGAAGGCCTTGGAAGTATGATGAAGATACTCTAATTGAGATT  
TTGGCATCAAGAACTAACAAAGAAATCAGAGACATTAACAGGGTCTACAGAGAGGAACTGAAGAGAGATC  
TGGCCAAAGACATAACCTCAGACACATCTGGAGATTTTCGGAACGCTTTGCTTTCTCTTGCTAAGGGTGA  
CCGATCTGAGGACTTTGGTGTGAATGAAGACTTGCTGATTGAGATGCCAGGGCCTTGATGAAGCAGGA  
GAAAGGAGAAAGGGACAGACGTAACGTGTTCAATACCATCCTTACCACCAGAAGCTATCCACAACCTTC  
GCAGAGTGTTCAGAAATACACCAAGTACAGTAAGCATGACATGAACAAAGTTCTGGACCTGGAGTTGAA  
AGGTGACATTGAGAAATGCCTCACAGCTATCGTGAAGTGCGCCACAAGCAAACAGCTTTCTTTGCAGAG  
AAGCTTCATCAAGCCATGAAAGGTGTTGGAAGTGCCTAAGGCATTGATCAGGATTATGGTTTCCCGCTT  
CTGAAATTGACATGAATGATATCAAAGCATTCTATCAGAAGATGTATGGTATCTCCCTTTGCCAAGCCAT  
CCTGGATGAAACCAAAGGAGATTATGAGAAAATCCTGGTGGCTCTTTGTGAGGAAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG201569 representing NM\_000700  
 Red=Cloning site Green=Tags(s)

MAMVSEFLKQAWFIENEEQEYVQTVKSSKGGPGSAVSPYPTFNPSSDVAALHKAIMVKGVDEATIIDILT  
 KRNNARQQIKAAYLQETGKPLDETLKKALTGHLEEVVLALLKTPAQFDADELRAAMKGLGTDEDTLIEI  
 LASRTNKEIRDINRVYREELKRDLDKIDITSDTSGDFRNALLSLAKGDRSEDFGVNEDLADSDARALYEAG  
 ERRKGTDVNVFNTILTTRSYPQLRRVFQKYTKYSKHD MNKVL DLELKGDI EKCLTAIVKCATSKPAFFAE  
 KLHQAMKGVGTRHKALIRIMVSRSEIDMNDIKAFYQKMYGISLCAILDETKGDY EKILVALCGGN

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_000700

**ORF Size:** 1038 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\\_000700.3](#)

**RefSeq Size:** 1399 bp

**RefSeq ORF:** 1041 bp

**Locus ID:** 301

**UniProt ID:** [P04083](#)

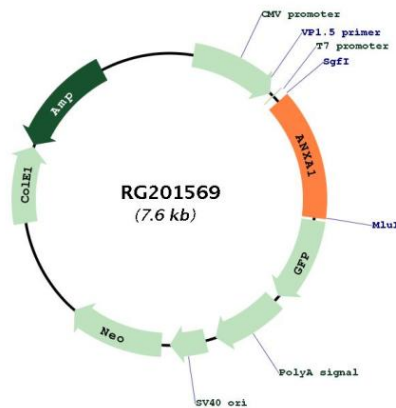
**Cytogenetics:** 9q21.13

**Domains:** annexin

**Protein Families:** Druggable Genome

**Gene Summary:** This gene encodes a membrane-localized protein that binds phospholipids. This protein inhibits phospholipase A2 and has anti-inflammatory activity. Loss of function or expression of this gene has been detected in multiple tumors. [provided by RefSeq, Dec 2014]

**Product images:**



Circular map for RG201569