

Product datasheet for **SC119713**

Annexin A1 (ANXA1) (NM_000700) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Annexin A1 (ANXA1) (NM_000700) Human Untagged Clone
Tag:	Tag Free
Symbol:	Annexin A1
Synonyms:	ANX1; LPC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000700 edited
 GAATTCGGCAGGCTATGCACAAGCCGTGCATTTAAAAATAAACCCTAAGGCTGG
 GGTGAAACCTGCTACGGTCTGCGCAAGTTGACTGTTAATGAATTTGATTCTCAGGTACAC
 TTTTTCAAAAATGGCAATGGTATCAGAATTCCTCAAGCAGGCCTGGTTTATTGAAAATGA
 AGAGCAGGAATATGTTCAAACCTGTGAAGTCATCCAAAGGTGGTCCCAGGATCAGCGGTGAG
 CCCCTATCCTACCTTCAATCCATCCTCGGATGTCGCTGCCTTGCCATAAGGCCATAATGGT
 TAAAGGTGGATGAAGCAACCATCATTGACATTCTAACTAAGCGAAACAATGCACAGCG
 TCAACAGATCAAAGCAGCATATCTCCAGGAAACAGGAAAGCCCTGGATGAAACACTGAA
 GAAAGCCCTTACAGGTCACCTTGAGGAGGTTGTTTTAGCTCTGCTAAAACTCCAGCGCA
 ATTTGATGCTGATGAACCTCGTGTGCCATGAAGGGCCTTGGAAGTATGAAGATACTCT
 AATTGAGATTTTGGCATCAAGAACTAACAAGAAATCAGAGACATTAACAGGGTCTACAG
 AGAGGAACTGAAGAGAGATCTGGCCAAAGACATAACCTCAGACACATCTGGAGATTTTCG
 GAACGCTTTGCTTCTCTTGCTAAGGGTGACCGATCTGAGGACTTTGGTGTGAATGAAGA
 CTTGGCTGATTAGATGCCAGGGCCTTGTATGAAGCAGGAGAAAGGAGAAAGGGGACAGA
 CGTAAACGTGTTCAATACCATCCTTACCACCAGAAAGCTATCCACAACCTTCGCAGAGTGTT
 TCAGAAATACACCAAGTACAGTAAGCATGACATGAACAAAGTTCTGGACCTGGAGTTGAA
 AGGTGACATTGAGAAATGCCTCACAGCTATCGTGAAGTGCGCCACAAGCAAAACCAGCTTT
 CTTTGCAGAGAAGCTTCATCAAGCCATGAAAGGTGTTGGAAGTCCGCATAAGGCATTGAT
 CAGGATTAATGGTTTCCCCTTCTGAAATGACATGAATGATATCAAAGCATTCTATCAGAA
 GATGTATGGTATCTCCCTTTGCCAAGCCATCCTGGATGAAACCAAGGAGATTATGAGAA
 AATCCTGGTGGCTCTTTGTGGAGGAAACTAAACATTCCCTTGATGGTCTCAAGCTATGAT
 CAGAAGACTTTAATTATATATTTTCATCCTATAAGCTTAAATAGGAAAGTTTCTTCAACA
 GGATTACAGTGTAGCTACCTACATGCTGAAAAATATAGCCTTTAAATCATTTTTATATTA
 TAACTCTGTATAATAGAGATAAGTCCATTTTTTAAAAATGTTTTCCCAAACCATAAAAC
 CCTATACAAGTTGTTCTAGTAACAATACATGAGAAAGATGTCTATGTAGCTGAAAATAAA
 ATGACGTCACAAGACAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA
 ATGACGTCACAAGACAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000700 unedited
 NGGTCAACTTTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGCTATGCAC
 AAGGCCGTGCATTTAAAAATAAATCCCTAAGCTGGGGTGAACCTGCTACGGTCTGCGCA
 AGTTGACTGTTAATGAATTTGATTCTCAGGTACACTTTTTCAAAAATGGCAATGGTATCA
 GAATTCCTCAAGCAGGCCTGGTTTATTGAAAATGAAGAGCAGGAATATGTTCAAACCTGTG
 AAGTCATCCAAAGGTGGTCCCGGATCAGCGGTGAGCCCCATCCTACCTCAATCCATCC
 TCGGATGTCGCTGCCTTGCCATAAGGCCATAATGGTTAAAGGTGTGGATGAAGCAACCATC
 ATTGACATTCTAACTAAGCGAAAACAATGCACAGCGTCAACAGATCAAAGCAGCATATCTC
 CAGGAAAACAGGAAAGCCCTGGATGAAACACTGAAGAAAGCCCTTACAGGTCACCTTGAG
 GAGGTTGTTTTAGCTCTGCTAAAACTCCAGCGCAATTTGATGCTGATGAACTTCGTGCT
 GCCATGAAGGGCCTTGGAACTGATGAAGATACTCTAATTGAGATTTTGGCATCAAGAACT
 AACAAAGAAATCAGAGACATTAACAGGGTCTACAGAGAGGAACTGAAGAGAGATCTGGCC
 AAAGACATAACCTCAGACACATCTGGAGATTNTCGGAACGCTTTGCTTTCTTGTCTAAG
 GGTGACCGATCTGAGGACTTNTGTGTAATGAAGACTTGGCTGATTGAGATGCCAGGCC
 CTGTATGAAGCAGGAGAAAGGAGAAAGGGGACAGACGTAACGTGNTCAATACCATNCT
 TACACCAGNAGCTATCCACAACCTCGCAAAGTGTTCAGAATACACCAAGTACAGNTAGC
 ATN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_000700 unedited
 CGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTGTCTTGAGACGTCATTTTATTTTCA
 GCTACATAGACATCTTTCTCATGTATTGGTACTAAAACAACCTGTATAGGGTTTTATGGT
 TTGGGGAAAACATTTTTAAAAATGGACTTATCTCTATTATACAGAGTTATAATATAAAA
 ATGATTTAAAGGCTATATTTTTCAGCATGTAAGTAGCTACTGTAATCCTGTTGAAGAA
 ACTTTCTATTTAAGCTTATAGGATGAAAATATAAATTAAGTCTTCTGATCATAGCTT
 GAGACCATCAAGGGAATGTTTAGTTTCCCTCCACAAGAGCCACCAGGATTTTCTCATAAT
 CTCCTTTGGTTTCATCCAGGATGGCCTTGGCAAAGGGAGATACCATACATCTTCTGATAG
 AATGCTTTGATATCATTGATGCAATTTGAGAACGGGAAACCAATCCTGATCAATGCC
 TTATGGCGAGTTCCAACACCTTTTCATGGCTTGATGAAGCTTCTCTGCAAAGAAAACCTGGT
 TTGCTTGTGGCGCACTTCACGATAGCTGTGAGGCATTTCTCAATGTCACCTTTAACTTC
 AGGTCCAGAACTTTGTTTCATGTCATGCCTTACTGTACTTGGAGTATTTCTGAAAACCTCTG
 CGAAATTTGCGGATATCTTCTGGGGTAAAGATGGTCTCTGAACCCCTTTACCGTTGGTCC
 CTTTTTCTTCTCCTGCCTAATACAGGCCCTGGATTTGAATAAACCAATTCTTATTTAC
 ACCAAATCCTCTAAATAGTTCCCCCTATCATAAAAAAACAAACCTCCCGAAAATCCCCC
 ATGGGCTTGAGGTTATTGTCTTGACAAAATCCTTCTCACCTCCCTCTCGGAAACCCCTGA
 AAGCCCCGAACCCCTGCGGNACCTTGACCCCAAACCTCATTAAAATTTCTTCTCTCTCCA
 GGCCCTTCTCGGTACCAAATTTCCCTATATTCCCGCCCT

Restriction Sites:

NotI-NotI

ACCN:

NM_000700

Insert Size:

1610 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 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](#)

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_000700.1](#), [NP_000691.1](#)

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]