OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC119426

Annexin A11 (ANXA11) (NM_001157) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Annexin A11 (ANXA11) (NM_001157) Human Untagged Clone
Tag:	Tag Free
Symbol:	Annexin A11
Synonyms:	ALS23; ANX11; CAP-50; CAP50
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC119426 sequence for NM_001157 edited (data generated by NextGen Sequencing)

ATGAGCTACCCTGGCTATCCCCCGCCCCCAGGTGGCTACCCACCAGCTGCACCAGGTGGT
GGTCCCTGGGGAGGTGCTGCCTACCCTCCTCCGCCCAGCATGCCCCCCATCGGGCTGGAT
AACGTGGCCACCTATGCGGGGCAGTTCAACCAGGACTATCTCTCGGGAATGGCGGCCAAC
ATGTCTGGGACATTTGGAGGAGCCAACATGCCCAACCTGTACCCTGGGGCCCCTGGGGCT
GGCTACCCACCAGTGCCCCCTGGCGGCTTTGGGCAGCCCCCCTCTGCCCAGCAGCCTGTT
CCTCCCTATGGGATGTATCCACCCCCAGGAGGAAACCCACCCTCCAGGATGCCCTCATAT
CCGCCATACCCAGGGGCCCCTGTGCCGGGCCAGCCCATGCCACCCCCCGGACAGCAGCCC
CCAGGGGCCTACCCTGGGCAGCCACCAGTGACCTACCCTGGTCAGCCTCCAGTGCCACTC
CCTGGGCAGCAGCAGCCAGTGCCGAGCTACCCAGGATACCCGGGGTCTGGGACTGTCACC
CCCGCTGTGCCCCCAACCCAGTTTGGAAGCCGAGGCACCATCACTGATGCTCCCGGCTTT
GACCCCCTGCGAGATGCCGAGGTCCTGCGGAAGGCCATGAAAGGCTTCGGGACGGATGAG
CAGGCCATCATTGACTGCCTGGGGAGTCGCTCCAACAAGCAGCGGCAGCAGATCCTACTT
TCCTTCAAGACGGCTTACGGCAAGGATTTGATCAAAGATCTGAAATCTGAACTGTCAGGA
AACTTTGAGAAGACAATCTTGGCTCTGATGAAGACCCCAGTCCTCTTTGACATTTATGAG
ATAAAGGAAGCCATCAAGGGGGTTGGCACTGATGAAGCCTGCCTGATTGAGATCCTCGCT
TCCCGCAGCAATGAGCACATCCGAGAATTAAACAGAGCCTACAAAGCAGAATTCAAAAAG
ACCCTGGAAGAGGCCATTCGAAGCGACACATCAGGGCACTTCCAGCGGCTCCTCATCTCT
CTCTCTCAGGGAAACCGTGATGAAAGCACAAACGTGGACATGTCACTCGCCCAGAGAGAT
GCCCAGGAGCTGTATGCGGCCGGGGAGAACCGCCTGGGAACAGACGAGTCCAAGTTCAAT
GCGGTTCTGTGCTCCCGGAGCCGGGCCCACCTGGTAGCAGTTTTCAATGAGTACCAGAGA
ATGACAGGCCGGGACATTGAGAAGAGCATCTGCCGGGAGATGTCCGGGGACCTGGAGGAG
GGCATGCTGGCCGTGGTGAAATGTCTCAAGAATACCCCAGCCTTCTTTGCGGAGAGGCTC
AACAAGGCCATGAGGGGGGCAGGAACAAAGGACCGGACCCTGATTCGCATCATGGTGTCT
CGCAGCGAGACCGACCTCCTGGACATCAGATCAGAGTATAAGCGGATGTACGGCAAGTCG
CTGTACCACGACATCTCGGGAGATACTTCAGGGGATTACCGGAAGATTCTGCTGAAGATC
TGTGGTGGCAATGACTGA

Clone variation with respect to NM_001157.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001157 unedited

TATATTTGTATACGACTCACTATAGGGGCGGCCGCGATTCGGCACGAGGCTGCTGCGCCC
GCGGCTCCCCAGTGCCCCGAGTGCCCCGCGGGCCCCGCGAGCGGGAGTGGGACCCAGCCC
TAGGCAGAACCCAGGCGCCGCGCCCGGGACGCCCGCGGAGAGAGCCACTCCCGCCCACGT
CCCATTTCGCCCCTCGCGTCCGGAGTCCCCGTGGCCAGATCTAACCATGAGCTACCCTGG
CTATCCCCCGCCCCCAGGTGGCTACCCACCAGCTGCACCAGGTGGTGGTCCCTGGGGAGG
TGCTGCCTACCCTCCTCCGCCCAGCATGCCCCCCATCGGGCTGGATAACGTGGCCACCTA
TGCGGGGCAGTTCAACCAGGACTATCTCTCGGGAATGGCGGCCAACATGTCTGGGACATT
TGGAGGAGCCAACATGCCCAACCTGTACCCTGGGGCCCCTGGGGCTGGCTACCCACCAGT
GCCCCCTGGCGGCTTTGGGCAGCCCCCCTCTGCCCAGCAGCCTGTTCCTCCCTATGGGAT
GTATCCACCCCCAGGAGGAAACCCACCCTCCAGGATGCCCTCATATCCGCCATACCCAGG
GGCCCCTGTGCCGGGCCAGCCCATGCCACCCCCCGGACAGCAGCCCCCAGGGGCCTACCC
TGGGCAGCCACCAGTGACCTACCCTGGTCAGCCTCCAGTGCCACTCCCTGGGCAGCAGCA
GCCAGTGCCGAGCTACCCNAGGATACCCGGNGTCTGGGACTGTCACCCNCGCTGTGCCCC
AACCCAGTTTGGAAGCCGAGGCACCATCACTGATGCTCCCGGCTNTGACCCCCTGCGAGA
TGCCCGAGTCCTGCGGAAGGCNCATGAAGGCTNCGGNACGGATGAGCAGGCCATCATTGA
CTGGCTGGGGGAGTCGCTNCCACAAGCAGCGGCAGCAGATCCTACTTTNCTTCAGACGGC
TACGGCAGGGATTGATCAAAGACTGAATCTGACTGTCAGAA

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_001157 unedited
AGAGTCGAGTTTTTTTTTTTTTTTTTTCAGAAAAATGAAACATCTATTTTAGCAGCAAGA
GGCTGTGAGGGATGGGGTAAAAAAGGCATCCTGAGAGAGTTCTAGACCGACCCAGGTCCT
GTGGCACACTATACGGGTCAGGAGGGGTGGAAGACAGGCCTAAGCTCTAGGACGGTGAAT
CTCGGGGCTATTTGTGGATTTGTTAGAAACAGACATTCTTTTGGCCTTTTCCTGGCACTG
GTGTTGCCGGCAGGTGGGCAGAAGTGAGCCACCAGTCACTGTTCAGTCATTGCCACCACA
GATCTTCAGCAGAATCTTCCGGTAATCCCCTGAAGTATCTCCCCGAGATGTCGTGGTACA
GCGACTTGCCGTACATCCGCTTATACTCTGATCTGATGTCCAGGAGGTCGGTCTCGCTGC
GAGACCACCATGATGCGAATCAGGGTCCCGCTCCCTTTGTTCCCTGCCCCCTCATGGCCC
TTGTTGAAGCCTCTCCCGCAAGAAGCTGGGGTATTCTTGAGACATTTCACCACGGCCAGC
ATGCCCCTTCTCCAGGTCCCGGACATTTTCCGGGAGATGCTCTTCTCATTGGCCGGGCTG
TCATTCTTTGGACTTATTGAAAACTGCTACCAGTTGGGCCCTGCTCCGGTAGCCCCGACC
CGCATTGAACTTGGACTTGTTTGGTCCCAAGGGGTTTTTCCCCGGCCGATACCGTTTCTG
GGGATTTTTTCTGGGCGAATGACATGCTCCCGTTTTGGGGCTTTATTACAGGTTTCCCTT
GTAAAGAAAAAACAAGGAACCTCTGGAAAGGCCCCTGACGGGTTCCTTCCAAGGGGCCCT
TTTCCAAGGTCCTTTTTGAACTCTGGTTTTGAGGCTCCGTGTNATATCTCGCGAGGCTCC
TTTGCTTGGGGGAAGGTAGGACTTCTATCTGGCGGTCTTCCTCTTGGCCAACCCCCTTGT
GGGGTCCCTTTATACTCAAAAGGACAAAAGGACGTCGGTTCTCTCCTAACACAGAAGGCG
TTCTCCAAGTCTCCCGCGAGGTCAATTCACAAATTTGTACAAACTCTCCGCGACGCGTCG
TACG
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Restriction Sites: NotI-NotI

ACCN: NM_001157

Insert Size: 2050 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001157.2, NP_001148.1

RefSeq Size: 2486 bp

RefSeq ORF: 1518 bp

Locus ID: 311

UniProt ID: P50995

Cytogenetics: 10q22.3

Domains:	annexin
Gene Summary:	This gene encodes a member of the annexin family, a group of calcium-dependent phospholipid-binding proteins. Annexins have unique N-terminal domains and conserved C-terminal domains, which contain calcium-dependent phospholipid-binding sites. The encoded protein is a 56-kD antigen recognized by sera from patients with various autoimmune diseases. Several transcript variants encoding two different isoforms have been identified. [provided by RefSeq, Dec 2015] Transcript Variant: This variant (a) represents the shortest transcript. Variants a, b, c, d, and e all encode the same isoform (1).