

## Product datasheet for **SC124546**

### Annexin A11 (ANXA11) (NM\_145869) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Annexin A11 (ANXA11) (NM_145869) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANXA11
Synonyms:	ALS23; ANX11; CAP-50; CAP50
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_145869, the custom clone sequence may differ by one or more nucleotides

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ATGAGCTACCCTGGCTATCCCCGCCCCAGGTGGCTACCCACCAGCTGCACCAGGTGGTGGTCCCTGGG
GAGGTGCTGCCTACCCTCCTCCGCCCAGCATGCCCCCATCGGGCTGGATAACGTGGCCACCTATGCGGG
GCAGTTCAACCAGGACTATCTCTCGGGAATGGCGGCAACATGTCTGGGACATTTGGAGGAGCCAACATG
CCCAACCTGTACCCTGGGGCCCCCTGGGGCTGGCTACCCACCAGTCCCCCTGGCGGCTTTGGGCAGCCCC
CCTCTGCCAGCAGCCTGTTCCCTCATGGGATGTATCCACCCAGGAGGAAACCCACCTCCAGGAT
GCCCTCATATCCGCCATACCCAGGGGCCCTGTGCCGGGCCAGCCATGCCACCCCCGGACAGCAGCCC
CCAGGGGCTACCCTGGGCAGCCACCAGTGACCTACCCTGGTCAGCCTCCAGTGCCACTCCCTGGGCAGC
AGCAGCCAGTGCCGAGCTACCCAGGATACCCGGGGTCTGGGACTGTACCCCCCGTGTGCCCCCAACCCA
GTTTGGAAAGCCGAGGCACCATCACTGATGCTCCCGGCTTTGACCCCTGCGAGATGCCGAGGTCCTGCGG
AAGGCCATGAAAGGCTTCGGGACGGATGAGCAGGCCATCATTGACTGCCTGGGGAGTCGCTCCAACAAGC
AGCGGCAGCAGATCCTACTTTCTTCAAGACGGCTTACGGCAAGGATTTGATCAAAGATCTGAAATCTGA
ACTGTGAGGAACTTTGAGAAGACAATCTGGCTCTGATGAAGACCCAGTCCTCTTTGACATTTATGAG
ATAAAGGAAGCCATCAAGGGGTTGGCACTGATGAAGCCTGCCTGATTGAGATCCTCGTCTCCCGCAGCA
ATGAGCACATCCGAGAATTAACAGAGCCTACAAAGCAGAATTCAAAAAGACCCTGGAAGAGGCCATTG
AAGCGACACATCAGGGCACTTCCAGCGGCTCCTCATCTCTCTCTCAGGGAAACCGTGATGAAAGCACA
AACGTGGACATGTCACTCGCCAGAGAGATGCCAGGAGCTGTATGCGGCCGGGAGAACCCTGGGAA
CAGACGAGTCCAAGTTCAATGCGGTTCTGTGCTCCCGAGCCGGGCCACCTGGTAGCAGTTTTCAATGA
GTACCAGAGAATGACAGGCCGGGACATTGAGAAGAGCATCTGCCGGGAGATGTCCGGGGACCTGGAGGAG
GGCATGCTGGCCGTGGTAAATGTCTCAAGAATACCCAGCCTTCTTTGCGGAGAGGCTCAACAAGGCCA
TGAGGGGGCAGGAACAAAGACCGGACCCTGATTCGCATCATGGTGTCTCGCAGCGAGACCGACCTCCT
GGACATCAGATCAGAGTATAAGCGGATGTACGGCAAGTCGCTGTACCACGACATCTCGGGAGATACTTCA
GGGGATTACCGGAAGATTCTGCTGAAGATCTGTGGTGGCAATGACTGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_145869 unedited NGTCAGATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGGGACCCAGCC CTAGGCAGAACCCAGGCGCCGCGCCCGGACGCCCGGGAGAGAGCCACTCCCGCCACG TCCCATTTGCGCCCTCGCGTCCGGAGTCCCGTGGCCAGGTGTGTGTCTGGGGAAGAGAC TTACAGAAAGTGGAGTTGCTGAGTCAAAGATCTAACCATGAGCTACCCTGGCTATCCCCG CCCCCAGGTGGCTACCCACCAGCTGCACCAGGTGGTGGTCCCTGGGGAGGTGCTGCCTAC CCTCCTCCGCCAGCATGCCCCCATCGGGCTGGATAACGTGGCCACCTATGCGGGGACAG TTCAACCAGGACTATCTCTCGGGAATGGCGGCCAACATGTCTGGGACATTTGGAGGAGCC AACATGCCCAACCTGTACCCTGGGGCCCTGGGGCTGGCTACCCACCAGTGCCCCCTGGC GGCTTTGGGCAGCCCCCTCTGCCAGCAGCCTGTTCTCCCTATGGGATGTATCCACCC CCAGGAGGAAACCCACCCTCCAGGATGCCCTCATATCCGCCATACCCAGGGGCCCTGTG CCGGGCCAGCCATGCCACCCCGGACAGCAGCCCCAGGGGCTACCCTGNGCAGCCA CCAGTGACCTACCCTGGTCAGCTNCAGTGCCACTCCCTGNGCAGCAGCAGCCAGTGCCG AGTACCCAGNATACCCGGNGTCTGGGACTGTCACCCCGCTGTGCCCCACCCAGTTG GAAGCCGAGCACCATCACTGATGCTCCCGCTTTTGACCCTGCGAGATGCCGAGTCTCT GCGAAGGCCCATGAAGGCTTCNGNACNGATGANACGCCATCATGACTGCCTGNNAGATC GCTCCACAGCAGCGGCAGCAGATCCTACTTTTCTTCCAGANNNGTACGCAGGGATTGT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_145869
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_145869.1</a></u> , <u><a href="#">NP_665876.1</a></u>
<b>RefSeq Size:</b>	2731 bp
<b>RefSeq ORF:</b>	1518 bp
<b>Locus ID:</b>	311
<b>UniProt ID:</b>	<u><a href="#">P50995</a></u>
<b>Cytogenetics:</b>	10q22.3

**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 (c) differs in the 5' UTR compared to variant a. Variants a, b, c, d, and e all encode the same isoform (1).