

Product datasheet for **SC124547**

Annexin A11 (ANXA11) (NM_145868) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Annexin A11 (ANXA11) (NM_145868) Human Untagged Clone
Tag:	Tag Free
Symbol:	Annexin A11
Synonyms:	ALS23; ANX11; CAP-50; CAP50
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_145868, the custom clone sequence may differ by one or more nucleotides

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ATGAGCTACCCTGGCTATCCCCGCCCCAGGTGGCTACCCACCAGCTGCACCAGGTGGTGGTCCCTGGG
GAGGTGCTGCCTACCCTCCTCGCCAGCATGCCCCCATCGGGCTGGATAACGTGGCCACCTATGCGGG
GCAGTTCAACCAGGACTATCTCTCGGGAATGGCGGCCAACATGTCTGGGACATTTGGAGGAGCCAACATG
CCCAACCTGTACCCTGGGGCCCCGGGGCTGGCTACCCACCAGTCCCCCTGGCGGCTTTGGGCAGCCCC
CCTCTGCCAGCAGCCTGTTCCCTATGGGATGTATCCACCCAGGAGGAAACCCACCTCCAGGAT
GCCCTCATATCCGCATACCCAGGGGCCCTGTGCGGGCCAGCCATGCCACCCCGGACAGCAGCCC
CCAGGGGCTACCCTGGGCAGCCACCAGTGACCTACCCTGGTCAGCCTCCAGTGCCACTCCCTGGGCAGC
AGCAGCCAGTGCCGAGCTACCCAGGATACCCGGGGTCTGGGACTGCACCCCGCTGTGCCCAACCCA
GTTTGAAGCCGAGGCACCATCACTGATGCTCCCGGCTTTGACCCCTGCGAGATGCCGAGGTCTGCGG
AAGGCCATGAAAGGCTTCGGGACGGATGAGCAGGCCATCATTGACTGCCTGGGGAGTCGCTCCAACAAGC
AGCGGCAGCAGATCCTACTTTCTTCAAGACGGCTTACGGCAAGGATTTGATCAAAGATCTGAAATCTGA
ACTGTCAGGAACTTTGAGAAGACAATCTGGCTCTGATGAAGACCCAGTCCTTTGACATTTATGAG
ATAAAGGAAGCCATCAAGGGGTTGGCACTGATGAAGCCTGCCTGATTGAGATCCTCGTTCGCCAGCA
ATGAGCACATCCGAGAATTAACAGAGCCTACAAAGCAGAATTCAAAAGACCCTGGAAGAGGCCATTCCG
AAGCGACACATCAGGGCACTTCCAGCGGCTCCTCATCTCTCTCAGGAAACCGTGATGAAAGCACA
AACGTGGACATGTCACTCGCCAGAGAGATGCCAGGAGCTGTATGCGGCCGGGAGAACCCTGGGAA
CAGACGAGTCCAAGTTCAATGCGGTTCTGTGCTCCCGGAGCCGGGCCACCTGGTAGCAGTTTTCAATGA
GTACCAGAGAATGACAGGCCGGGACATTGAGAAGAGCATCTGCCGGGAGATGTCCGGGGACCTGGAGGAG
GGCATGCTGGCCGTGGTAAATGTCTCAAGAATACCCAGCCTTCTTTGCGGAGAGGCTCAACAAGGCCA
TGAGGGGGCAGGAACAAAGGACCGGACCCTGATTCGCATCATGGTGTCTCGCAGCGAGACCGACCTCT
GGACATCAGATCAGAGTAAAGCGGATGTACGGCAAGTCGCTGTACCACGACATCTCGGGAGATACTTCA
GGGGATTACCGGAAGATTCTGCTGAAGATCTGTGGTGGCAATGACTGA

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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_145868 unedited</p> <pre>NNNNGGGTTTTCGGATTTGTAATACGACTTACTATAGGCGGCCGCGNAATTCGCACCAGCT GACGGCTGCTGCGCCCGGGCTCCCCAGTGCCCGAGTGCCCGCGGGCCCCGCGAGCGG GAGTGGGACCCAGCCCTAGGCAGAACCCAGGCGCCGCGCCGGGACGCCCGGGAGAGAG CCACTCCCGCCACGTCCCATTTGCCCCCTCGCGTCCGGTAGTCCCGTGGCCAGGTGTG TGTCTGGGAAGAGACTTACAGAAGTGGAGTTGCTGAGTCAAAGATCTAACCATGAGCTA CCCTGGCTATCCCCCGCCCCAGGTGGCTACCCACCAGTGCACCAGGTGGTGGTCCCTG GGGAGGTGCTGCCCTACCCTCCTCCGCCAGCATGCCCCCATCGGGCTGGATAACGTGGC CACCTATGCGGGGCGAGTTCAACCAGGACTATCTCTCGGGAATGGCGGCCAACATGTCTGG GACATTTGGAGGAGCCAACATGCCAACCTGTACCCTGGGGCCCCGTTGGGCTGGTACCC ACCAGTGCCCTGGCGGCTTTGGGCAGCCCCCTCTGCCAGCAGCCTGTTCTCCCTA TGGGATGTATCCACCCAGGAGAAACCCACCCTCCAGGATGCCCTCATATCCGCCATA CCCAGGGGCCCTGTGCCGGCCAGCCATGCCACCCCGGACAGCAGCCCCAGGGGC CTACCCTGNGCAGCCACCAGTGACCTACCCTGGTCAGCCTCCAGTGCCACTCCCTGGGCA GCAGCAGCCAGTCCCGAGCTACCCAGATACCCGGGGTCTGGGACTGTCACCCCGCTGT GCCCCACCCAGTTTGAAGCCCGAGCACATCACTGATGCTCCCGCTTTGACCCCTGC GAGAGC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_145868 unedited</p> <pre>AGATTCTAGTTTTTATTTCTTTTTNTTTTTGGCATGGAGTCAGTATTTATGAAACATCTA TTTTAGCAGCAAGAGGCTGTGAGGGATGGGGTAGAAAAGGCATCCTGAGAGAGTTCTAGA CCGACCCAGGTCCTGTGGCACACTATACGGTCCAGGAGGGTGAAGACAGGCCTAAGCT CTAGGACGGTGAATCTCGGGGCTATTTGTGGATTTGTTAGAAACAGACATTCTTTTGCC TTTTCTGGCACTGGTGTGCGGCAGGTGGGCAGAAAGTGAAGCCAGTCACTGTTTCAG TCATTGCCACCACAGATCTTCAGCAGAATCTCCGGTAATCCCCTGAAGTATCTCCCGAG ATGTCGTGGTACAGCGACTTGCCGTACATCCGCTTATACTCTGATCTGATGTCCAGGAGG TCGGTCTCGTGCAGACACCATGATGCGAATCAGGGTCCGGTCTTTGTTCTGCCCC CTCATGGCCTTGTGAGCCTCTCCGCAAAGAATGCTGGGGTATTTCTGAGACATTTACC ACGGCCAGCATGCCCTCCTCCAGTCCCGGACATCTCCCGCAGATGCTCTTCTCAATG TCCCGGCTGTCAATCTCTGGTACTCATTGAAAAGTGTACCANGTGGGCCCGGCTCCGG GAGCACATGACCGCATTGAACCTGGACTCGTCTGTTCCAGGCGGTCTCCCGGGCGCA TACAGCTCCTGGCATCTCTGGGCGAGTGACATGTCCACGTTTGTGCTTTCATCACGG GTTTCCCTGANAGAGAGAGATGAAGAGCCGCTGGAAGTGCCCTGTTGTGTCGCTTCAAT GGCCCTCTCCAGGGTCTTTTTGAA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_145868
Insert Size:	2150 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_145868.1](#), [NP_665875.1](#)

RefSeq Size: 2535 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 (b) differs in the 5' UTR compared to variant a. Variants a, b, c, d, and e all encode the same isoform (1).