

Product datasheet for **RC238426**

Annexin A11 (ANXA11) (NM_001278409) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Annexin A11 (ANXA11) (NM_001278409) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ANXA11
Synonyms:	ALS23; ANX11; CAP-50; CAP50
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238426 representing NM_001278409
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCCCCATCGGGCTGGATAACGTGGCCACCTATGCGGGGCAGTTCAACCAGGACTATCTCTCGGGAA
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 TGGCTACCCACCAGTGGCCCTGGCGGCTTTGGGAGCCCTCTGCCAGCAGCCTGTTCTCCCTAT
 GGGATGTATCCACCCCAAGGAGAAACCCACCCTCCAGGATGCCCTCATATCCGCCATACCCAGGGGCC
 CTGTGCCGGGCCAGCCATGCCACCCCGGACAGCAGCCCGAGGGCCCTACCTGGGCAGCCACCAGT
 GACCTACCCTGGTCAGCCTCCAGTCCACTCCCTGGGCAGCAGCAGCCAGTCCGAGCTACCCAGGATAC
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 GCAGGCCATCATTGACTGCCTGGGAGTCGCTCCAACAAGCAGCGCAGCAGATCCTACTTCTTCAAG
 ACGGCTTACGGCAAGGATTTGATCAAAGATCTGAAATCTGAACTGTGAGGAACTTTGAGAAGACAATCT
 TGGCTCTGATGAAGACCCAGTCCCTCTTTGACATTTATGAGATAAAGGAAGCCATCAAGGGGTTGGCAC
 TGATGAAGCCTGCCTGATTGAGATCCTCGCTTCCCGCAGCAATGAGCACATCCGAGAATTAACAGAGCC
 TACAAAGCAGAATTA AAAAGACCTGGAAGAGGCCATTCGAAGCGACACATCAGGGCACTTCCAGCGGC
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 TGCCCAGGAGCTGATGCGGCCGGGAGAACCGCTGGGAACAGACGAGTCCAAGTTCAATGCGGTTCTG
 TGCTCCCGGAGCCGGGCCACCTGGTAGCAGTTTTCAATGAGTACCAGAGAATGACAGCCGGGACATGA
 AGAAGACATCTGCCGGGAGATGTCGGGGACCTGGAGGAGGCATGCTGGCCGTGGTGAATGTCTCAA
 GAATACCCAGCCTTCTTTGCGGAGAGGCTCAACAAGGCCATGAGGGGGCAGGAACAAAGGACCCGACC
 CTGATTCGCATCATGGTGTCTCGCAGCAGACCCACTCCTGGACATCAGATCAGAGTATAAGCGGATGT
 ACGGCAAGTCGCTGTACCACGACATCTCGGAGATACTTCAGGGGATTACCGGAAGATTCTGCTGAAGAT
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Protein Sequence:

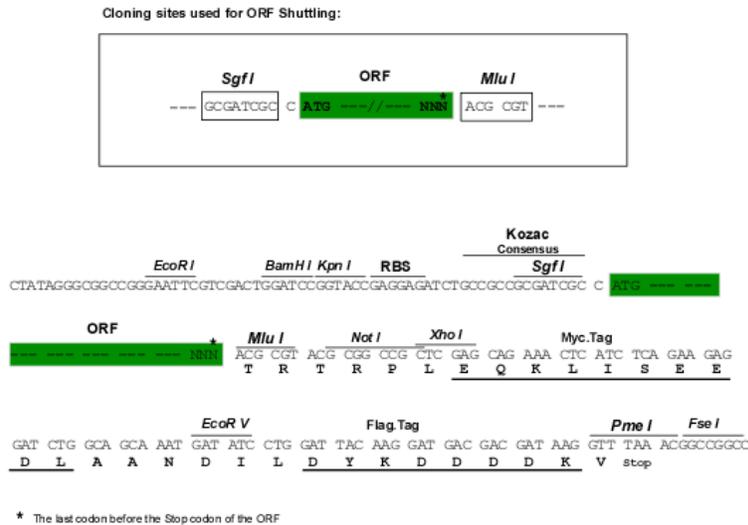
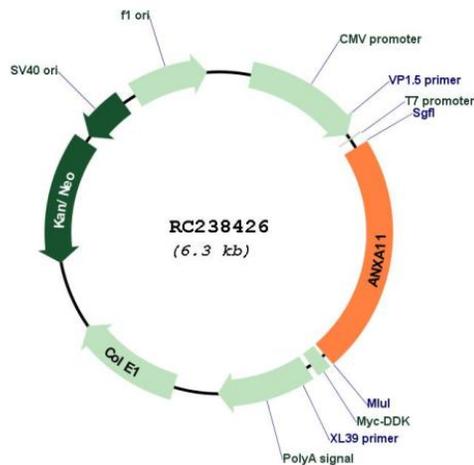
>RC238426 representing NM_001278409
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MPPIGLDNVATYAGQFNQDYLSGMAANMSGTFGGANMPNLYPGAPGAGYPPVPPGGFGQPPSAQQPVPPY
 GMYPPPGNPPSRMPSYPPYPGAPVPGQPMPPPGQPPGAYPGQPPVTYPGQPPVPLPGQQPVPSYPGY
 PGSGTVTPAVPPTQFGSRGTITDAPGFDPLRDAEVLKAMKGFGTDEQAIIDCLGSRSNKQRQIILLSFK
 TAYGKDLIKDLKSELGNFEKTI LALMKTPVLFDIYEIKEAIKGVGTDEACIEILASRSNEHIRELNRA
 YKAEFKTLEEAIRSDTSGHFQRLILSLSQNRDESTNVDMSLAQRDAQELYAAGENRLGTDESKFNAVL
 CSRSRAHLVAVFNEYQRMTGRDIEKSICREMSGDLEEGMLAVVKCLKNTPAFFAERLNKAMRGAGTKDRT
 LIRIMVSRSETDLLDIRSEYKRMYGKSLYHDISGDTSGDYRKILLKICGGND

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001278409

ORF Size: 1416 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.

RefSeq: [NM_001278409.2](#)

RefSeq Size: 2804 bp

RefSeq ORF: 1419 bp

Locus ID: 311

UniProt ID: [P50995](#)

Cytogenetics: 10q22.3

MW: 51.7 kDa

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]