

Product datasheet for SC117903

ANXA9 (NM_003568) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: ANXA9

Synonyms: ANX31

Mammalian Cell None

Selection:

Vector: pCMV6-XL5

E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF within SC117903 sequence for NM_003568 edited (data generated by NextGen Sequencing)

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ATGTCTGTGACTGGCGGAAGATGGCACCCTCCCTCAGGAGATCCTCAGCCACCTG
GGCCTGGCCAGCAAGACTGCAGCGTGGGGACCCTGGGCACCCTCAGGACCTTCTTGAAC
TTCAGCGTGGACAAGGATGCGCAGAGGCTACTGAGGGCCATTACTGGCCAAGGCGTGGAC
CGCAGTGCCATTGTGGACGTGCTGACCAACCGGAGCAGAGAGCAAGGCAGCTCATCTCA
CGAAACTTCCAGGAGCGCACCCAACAGGACCTGATGAAGTCTCTACAGGCAGCACTTCC
GGCAACCTGGAGAGGATTGTGATGGCTCTGCTGCAGCCACAGCCAGTTTGACGCCAG
GAATTGAGGACAGCTCTGAAGGCCTCAGATTCTGCTGTGGACGTGGCCATTGAAATCTT
GCCACTCGAACCCACCCAGCTGCAGGAGTGCCTGGCAGTCTACAAACACAATTTCCAG
GTGGAGGCTGTGGATGACATCACATCTGAGACCAGTGGCATCTTGACAGGACCTGCTGTTG
GCCCTGGCCAAGGGGGGCGGTGACAGCTACTCTGGAATCATTGACTATAATCTGGCAGAA
CAAGATGTCCAGGCCCTGCAGCGGGCAGAAGGACCTAGCAGAGAGGAAACATGGGTCCCA
GTCTTCACCCAGCGAAATCCTGAACACCTCATCCGAGTGTGATCAGTACCAGCGGAGC
ACTGGGCAAGAGCTGGAGGAGGCTGTCCAGAACCCTTCCATGGAGATGCTCAGGTGGCT
CTGCTCGGCCTAGCTTCGGTGATCAAGAACACACCGCTGTACTTTGCTGACAACTTCAT
CAAGCCCTCCAGGAACTGAGCCCAATTACCAAGTCTGATTCGCATCCTTATCTCTCGA
TGTGAGACTGACCTTCTGAGTATCAGAGCTGAGTTCAGGAAGAAATTTGGGAAGTCCCTC
TACTCTTCTCTCCAGGATGCAGTGAAAGGGGATTGCCAGTCAGCCCTCCTGGCCTTGTGC
AGGGCTGAAGACATGTGA
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Clone variation with respect to NM_003568.2
615 a=>c



5' Read Nucleotide

>OriGene 5' read for NM_003568 unedited

Sequence:

AAACACGACTTACTATAGGGCGGCCGGAATT CGGCACGAGGCCACCTGGACCCACAGG
AAGGCAGTGCATAAAAGCCTCCTGTGTTTGAGGCTGAGCCGCTGAGAGGCTGAGTGGAGT
TCACTCACATGGATTGAGGCCAGTTCCTGGGAGAAGAGATGCTGGGCAGGAAGGTGTCT
GCATGTGGGACTCTGTACAGCCCGTCTCTCCACGCTCTGGGAGGGGCCAGAGTCAGAC
AACTGCTGGGTTCTGTCCTTAAGAGAGGTCATCTGACTGGCTGTTACGCTAGGCTGCACA
CAGCCCCACTTTCCTCTACAGGCCACACCGGAGGCAGTGTCTACACAGGCAAGCTACCA
GGCCACAACAACGACACCCACCTCACCTCTGGCACCTCTGACATCCAGCTAAGTCTGAAG
AACTCTTGCTCACATCAGCTAAGAAGATTGACACTGCTGACCTAGAGATTCCGGCCTGTGC
TCCTGTGCTGCTGAGCAGGGCAACCAAGTAGCACCATGTCTGTGACTGGCGGGAAGATGGC
ACCGTCCCTCACCAGGAGATCCTCAGCCACCTGNGCCTGGCCAGCAAGACTGCACGCTG
GGGGACCCTGAGCACCCTCANGACCTTCTTGAATTCAGCGTGGACAAGGATGCGCAGAG
GCTACTGAAGGCCATTACTGGCCCAAGCGTGGACCGCAGTTGCATTGTGGACGTGCTGAC
CAGCCGNACCGAGAGCAAAGCAGCTCATCTCACGAAACCTTCAGACGCACCCACCAGAC
CTGATGAGTCTCTACAGCAGCCCTTCCCAGACCTGGAGAGATTGTGATGCTCTGCTGCAC
CCACATCCCATTGACCCCCAGAAATGAGACAGTCTGAGCCTANATTCTGTGTGAACGT
CGCTTGAAATTCGCCCTCAACCCACCCAT

3' Read Nucleotide

>OriGene 3' read for NM_003568 unedited

Sequence:

CCCGAGCGCCGATATTANAGTCGAGTTTTTTTTTTTTTTTTTTTGACCCAGTACAGATAT
AATTTTGAGATGGGAAATTAAGGGATTTTAAGAAACAGTTCCACCCTCAACAACAAGC
TACAGAATGTGGCGCTACTGAGGGGTATCCTACTTGGAGGCCCATCTGGTCTTCCAGG
TTCAGTCAAACACGGCAAATCCCACATCCTAGATGTCATGTGGCGCGGCGCAGGGAACC
ATCACATGCATTAACCTCTGACCAAGGCCACCAGGGCTGACTGCCACCACCTTCCACTG
TCTTCTGCTCAGTACACCTCGGGCCCCCTCCCACCCCCCCCCCTCTCTCCCTCTGGCTCT
CCTCTGCCCCCCCCCACCCTTACTCTCTCTCCCTCCCTCTCCCTCTCCCCCCCCC
CCCCCTCCCTCCCCCTTCCCCCCCCCCCCCTTCTATCCCCCTCTCCCTCTCCCTCTTCTC
TTTCCCCCCTTTCTTCCCATCTCTACTCCCCCTTCCATTCCCACCATCATCACTTCC
TCCCCCCCCCCCCCTCTCCCCCTCTCCCTTCTTTCCCTTCTCTTTTATCCCCCTTC
CCTTATCCCCCTCTTTCTCTTTTCCCCCTCCCCCCCCCCCCCTTCCCTTTCTCTACA
CACTTACCCTCCCCCCCCCTTCCCTCCCTTCTCTCCCCCCTCTTTCCCCCCCCCTAC
TTCTCCCCCTTTCTTCCCTCTTTCTTTTCTCTCTCCCCCTCCCCCTCTCTCCCCAGC
CACCATCACACCTCTCCCCCTGTTTCCCTCCCCCCCCCCCCCATTCTCCTTATCCC
ACCATTCCCCCCCCCCTCCACACTTCCCTTTCATTTTCAATT

Restriction Sites:

Notl-Notl

ACCN:

NM 003568

Insert Size:

1800 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 10µg of transfection-ready, dried plasmid DNA (reconstitute with 100 µl 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_003568.1</u> , <u>NP_003559.1</u>
RefSeq Size:	1772 bp
RefSeq ORF:	1017 bp
Locus ID:	8416
UniProt ID:	<u>O76027</u>
Cytogenetics:	1q21.3
Domains:	annexin
Gene Summary:	The annexins are a family of calcium-dependent phospholipid-binding proteins. Members of the annexin family contain 4 internal repeat domains, each of which includes a type II calcium-binding site. The calcium-binding sites are required for annexins to aggregate and cooperatively bind anionic phospholipids and extracellular matrix proteins. This gene encodes a divergent member of the annexin protein family in which all four homologous type II calcium-binding sites in the conserved tetrad core contain amino acid substitutions that ablate their function. However, structural analysis suggests that the conserved putative ion channel formed by the tetrad core is intact. [provided by RefSeq, Jul 2008]