

Product datasheet for **SC319544**

Annexin V (ANXA5) (NM_001154) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Annexin V (ANXA5) (NM_001154) Human Untagged Clone
Tag:	Tag Free
Symbol:	Annexin V
Synonyms:	ANX5; ENX2; HEL-S-7; PP4; RPRGL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001154.2
 GGGGAGTCTAGGTGCAGCTGCCGGATCCTTCAGCGTCTGCATCTCGGCGTCGCCCCGCGT
 ACCGTCGCCCCGGCTCTCCGCCGCTCTCCCGGGTTCGGGGCACTTGGGTCCCACAGTCT
 GGTCTGCTTCACCTCCCCTGACCTGAGTAGTCGCCATGGCACAGGTTCTCAGAGGCAC
 TGTGACTGACTTCCCTGGATTTGATGAGCGGGCTGATGCAGAACTCTTCGGAAGGCTAT
 GAAAGGCTTGGGCACAGATGAGGAGAGCATCCTGACTCTGTTGACATCCCGAAGTAAATGC
 TCAGCGCCAGGAAATTTCTGCAGCTTTTAAAGACTCTGTTTGGCAGGGATCTTCTGGATGA
 CCTGAAATCAGAACTAACTGAAAATTTGAAAAATTAATTGTGGCTCTGATGAAACCCTC
 TCGGCTTTATGATGCTTATGAACTGAAACATGCCTTGAAGGGAGCTGGAACAAATGAAAA
 AGTACTGACAGAAATTATTGCTTCAAGGACACCTGAAGAAGTCTGAGAGCCATCAAACAAGT
 TTATGAAGAAGAATATGGCTCAAGCCTGGAAGATGACGTGGTGGGGGACACTTCAGGGTA
 CTACCAGCGGATGTTGGTGGTTCTCCTTCAGGCTAACAGAGACCCTGATGCTGGAATTGA
 TGAAGCTCAAGTTGAACAAGATGCTCAGGCTTTATTTAGGCTGGAGAAGTAAATGGGG
 GACAGATGAAGAAAAGTTTATCACCATCTTTGGAACACGAAGTGTGTCTCATTGAGAAA
 GGTGTTTGACAAGTACATGACTATATCAGGATTTCAAATTGAGGAAACCATTGACCGCGA
 GACTTCTGGCAATTTAGAGCAACTACTCCTTGCTGTTGTGAAATCTATTGAAAGTATACC
 TGCCCTACCTTGCAGAGACCCTCTATTATGCTATGAAGGGAGCTGGGACAGATGATCATA
 CCTCATCAGAGTCATGGTTTCCAGGAGTGAAGTACTGATCTGTTAACATCAGGAAGGAGTT
 TAGGAAGAATTTTCCACCTCTCTTTATTCATGATTAAGGGAGATACATCTGGGGACTA
 TAAGAAAGCTCTTCTGCTGCTCTGTGGAGAAGTACTAACGTGTCACGGGGAAGAGCTC
 CCTGCTGTGTGCCTGCACCACCCACTGCCTTCTTTCAGCACCTTTAGCTGCATTTGTAT
 GCCAGTGTAAACACATTGCCTTATTCATACTAGCATGCTCATGACCAACACATACACGT
 CATAGAAGAAAAAGTGGTGTCTTTCTGATCTCTAGTGGAGATCTCTTTGACTGCTGT
 AGTACTAAAGTGTACTTAATGTTACTAAGTTTAAATGCCTGGCCATTTTCCATTTATATAT
 ATTTTTTAAAGAGGCTAGAGTGTCTTTAGCCTTTTTTAAAAACTCCATTTATATTACATTT
 GTAACCATGATACTTTAATCAGAAGCTTAGCCTTGAATTTGTGAACTCTTGGAAATGTTA
 TTAGTGAAGTTTCGCAACTAACTAAACCTGAAAATTATGATGATTGATTCAAAAAGATT
 AATGAAAATAAACATTTCTGTCCCCTGATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001154

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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_001154.2 , NP_001145.1
RefSeq Size:	1630 bp
RefSeq ORF:	963 bp
Locus ID:	308
UniProt ID:	P08758
Cytogenetics:	4q27
Domains:	annexin
Gene Summary:	<p>The Annexin 5 gene spans 29 kb containing 13 exons, and encodes a single transcript of approximately 1.6 kb and a protein product with a molecular weight of about 35 kDa. The protein encoded by this gene belongs to the annexin family of calcium-dependent phospholipid binding proteins some of which have been implicated in membrane-related events along exocytotic and endocytotic pathways. Annexin 5 is a phospholipase A2 and protein kinase C inhibitory protein with calcium channel activity and a potential role in cellular signal transduction, inflammation, growth and differentiation. Annexin 5 has also been described as placental anticoagulant protein I, vascular anticoagulant-alpha, endonexin II, lipocortin V, placental protein 4 and anchorin CII. Polymorphisms in this gene have been implicated in various obstetric complications. [provided by RefSeq, Dec 2019]</p>