

Product datasheet for **SC128167**

Annexin IV (ANXA4) (NM_001153) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Annexin IV (ANXA4) (NM_001153) Human Untagged Clone
Tag:	Tag Free
Symbol:	Annexin IV
Synonyms:	ANX4; HEL-S-274; P32.5; PAP-II; PIG28; PP4-X; ZAP36
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC128167 sequence for NM_001153 edited (data generated by NextGen Sequencing)

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ATGGCCATGGCAACCAAGGAGGTACTGTCAAAGCTGCTTCAGGATTC AATGCCATGGAA
GATGCCAGACCCCTGAGGAAGGCCATGAAAGGGCTCGGCACCGATGAAGACGCCATTATT
AGCGTCCCTTGCCCTACCGCAACACCGCCAGCGCCAGGAGATCAGGACAGCCTACAAGAGC
ACCATCGGCAGGGACTTGATAGACGACCTGAAGTCAGAACTGAGTGGCAACTTCGAGCAG
GTGATTGTGGGGATGATGACGCCACGGTGTGTATGACGTGCAAGAGCTGCGAAGGGCC
ATGAAGGGAGCCGGCACTGATGAGGGCTGCCTAATTGAGATCCTGGCCTCCCGGACCCCT
GAGGAGATCCGGCGCATAAGCCAAACCTACCAGCAGCAATATGGACGGAGCCTTGAAGAT
GACATTCGCTCTGACACATCGTTCATGTTCCAGCGAGTGTGGTGTCTCTGTCTGAGCTGGT
GGGAGGGATGAAGGAAATTATCTGGACGATGCTCTCGTGAGACAGGATGCCCAGGACCTG
TATGAGGCTGGAGAGAAGAAATGGGGGACAGATGAGGTGAAATTTCTAACTGTTCTCTGT
TCCCGGAACCGAAATCACCTGTTGCATGTGTTTGTATGAATACAAAAGGATATCACAGAAG
GATATTGAACAGAGTATTAATCTGAAACATCTGGTAGCTTTGAAGATGTCTGTGCTGGCT
ATAGTAAAGTGCATGAGGAACAAATCTGCATATTTTGTGAAAAGCTCTATAAATCGATG
AAGGGCTTGGCACCAGATGATAACACCCTCATCAGAGTGTGGTTTCTCGAGCAGAAATT
GACATGTTGGATATCCGGGCACACTTCAAGAGACTCTATGGAAAGTCTCTGTACTCGTTC
ATCAAGGGTGACACATCTGGAGACTACAGGAAAGTACTGCTTGTCTCTGTGGAGGAGAT
GATTAA

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Clone variation with respect to NM_001153.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001153 unedited AATTTGTATACGACTACTATAGGCGGCCCGAATTCGCACGAGGGGAGCGCAGCCCGGC CTCGAAGAACTTCTGCTTGGGTGGCTGAACTCTGATCTTGACCTAGAGTCATGGCCATGG CAACCAAAGGAGGTACTGTCAAAGCTGCTTCAGGATTCATGCCATGGAAGATGCCCAGA CCCTGAGGAAGGCCATGAAAGGGCTCGGCACCGATGAAGACGCCATTATTAGCGTCTTG CCTACCGCAACACCGCCAGCCAGGAGATCAGGACAGCCTACAAGAGCACCATCGGCA GGGACTTGATAGACGACCTGAAGTCAGAAGTGAAGTGGCAACTTCGAGCAGGTGATTGTGG GGATGATGACGCCACGGTGCTGTATGACGTGCAAGAGCTGCGAAGGGCCATGAAGGGAG CCGGCACTGATGAGGGCTGCCTAATTGAGATCCTGGCCTCCCGGACCCCTGAGGAGATCC GGCGCATAAGCCAAACCTACCAGCAGCAATATGGACGGAGCCTTGAAGATGACATTGCT CTGACACATCGTTCATGTTCCAGCGAGTCTGGTGTCTCTGTCAGCTGGTGGGAGGGATG AAGGAAATATCTGGACGATGCTCTCGTGAGACAGGATGCCCAGGACCTGTATGAGGCTG GAGAGAAGAAATGGGGACAGATGANGTAAAATTTCTAACTGTTCTGTTCCCGAACCGA AATCACCTGTTGCATGTGTTGATGAATACAAAAGATATCACAGAAAGATATTTGACAGA GTATTAATCTGAAACATCTGGTAGCTTTGAAGATGCTCTGCTGGCTATATAAAGTGCAT GAAGAACCAATCTGCATATTTTGTGAAAAGCCCTATAAATCGATG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001153 unedited NCAGATGGAATTTTTGATTAACCTCCAGTACATCTTCANAAGTTTTCTGGNGTTGAAAGGCA CAGTGCAAATAGAAATTACTACAATCAACAAAATTGATTTTAAAAAGTATTTTTAGCACA AAAAAGTTTTCTTTATATCATACTAAATTCAGAGCATTACATCATTCCCAGAATACCTAG TTTGAAGCTTATTTTTTTTCCATTCACTTGAAGCTGGATTAAGACATTAATAATAATA ATATGGAATGTTGAGCATTATGTTTGGTAACCGATGTATATGGTTTGTATAACCATAC TTTAGAATTTAGTTCAGATAAATTTGGTTTTGGTATACTTTGACTACAGAAAGTGATTTC ACATAAGATGTGATGAAGGAAGTCTCCCATGAAAACTTAGTAAGGATCAACTGATGCTA TGGACAAAACCTAAAAAAGAGATTTGTAGATGCTTTCAAGGCTTTGACTATGAAATATA GAAAACCTGGATGGGCATTCTTACTGACCGGATGCTTACAATTTCAAATGAAGAACTACT AGCCACTCTAAAAATTGGATTAGGGAAAAAAGTATTTTGAACAGTCTTCCATTANAA ATTTTTCACTGAAAAAGAAATATGGGATAATTTAATATATTCAATGTCTGTGAAACACAA AGTAGAAAAGTAACTTTTTAAAACATGGGATACATTTTATTTCTACTTTAAATCCTCATT TATATCTTATAGGCTTTGAAATGCAAGTTCAGCTTTAAAGCATCTTAATGGCTAATTATT GGTTGAATAATAATACCGACGGCTATATTCTAAGAGGCAGCTGTAGGCCTTTTAATTGG GAATAACCTTTCTGAGATAATGATAATAGCCGGGTAGAAAAATGGAGTTAAAAAATTC AGGGGGG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_001153
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 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_001153.2](#), [NP_001144.1](#)

RefSeq Size: 1982 bp

RefSeq ORF: 966 bp

Locus ID: 307

UniProt ID: [P09525](#)

Cytogenetics: 2p13.3

Domains: annexin

Gene Summary: Annexin IV (ANX4) belongs to the annexin family of calcium-dependent phospholipid binding proteins. Although their functions are still not clearly defined, several members of the annexin family have been implicated in membrane-related events along exocytotic and endocytotic pathways. ANX4 has 45 to 59% identity with other members of its family and shares a similar size and exon-intron organization. Isolated from human placenta, ANX4 encodes a protein that has possible interactions with ATP, and has in vitro anticoagulant activity and also inhibits phospholipase A2 activity. ANX4 is almost exclusively expressed in epithelial cells. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2016]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same isoform (a).