

Product datasheet for **SC104777**

BC029890 Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF: >NCBI ORF sequence for BC029890, the custom clone sequence may differ by one or more nucleotides

GCTCACTCCTCAGCTGCAGGAGCCAGACATGTGGAGTCCCAGCAGAGGCCAACCTGTGTCTTTCATCTC
CGTGAGAAAGGTGCCCCGAAGTGAAAGAGATGGCCTGGTGAAAGCCTGGGACTCAGGAATTCTCCAC
TCCGAATGCCTTGTCTGGGGTGACCAGGTCTTCACTTGTGAAACAGGAGTCGGCCACCTCAGCCCTG
CGCCTGGCCTGGTGGAACATGGGTCAACGCCCAACCTGGGGCAGCCGCCCATCCCAACGCAGTTGCTG
CCGCTCTCCATGCCTCCCTGTGCCAGCTAACTGGGGGACTTGTCCCCTGGGAAAACCTGGGTACCCAGG
CTGCCTTTGGTTTCAGCCCCCTACTCTCTTCCCGGGCTGCCTTTGCTCCCGGACGGCCCCCTTCCCGG
GCTGTGTTTACATCAGCTGGGAAGGGTCCCTTGACACAGATCTTGGACGAGGTGCGTCCCCCTCGTG
ACCAGCAAACTCCTAAAAGCGGCCCTTGCCCCAGAGCCCTGTAGCCTCCAACCGGCAGTCAGGAGGCAG
CGCCGTCTCAGCGCCGCTTAGTGGCGCCAGGCGTGCCTGGAATCCGCTTTCGACGCGCCCCCTCGTAGC
CGCCTCCGCCCGCAGAAGGCGTTCCCTGGACAGAGAAGCGGCGCGCGGGGCGGGCGCGTGGGGCCTTG
CCGGAGAACCTGACTCTCCGACGACGAGTGAAGCCAGAGTGACGCGTTGTGTTGAACACCACTTTTCT
GGAGCGCTGTGTGTTCTCAACAGCTGAGCAGTCTGTTTCTCCAATCAGTTTCAAAGCCACTTCAACTGC
ACTGGCCCCCTGTGGGTCACTGTGCACCGCCCTGGCCCATGTGGGTCCCTGAGGAGCGACCTGCCGGGGC
CACCTGGCTGGACGAAAAGACACACTTTGGACTTAAGCCGTGAGAAAAAACTTCATCAGTAAGAAACA
AGTCAATAGACAAGTAAAAGACTAGGAGAAAAATATGCATAAAACATAAAAAAGTGACTTGATTCTGATT
CTGGAGTATTTAAGAATTCCTATAACTCAACAAAAAGTTCAGTTTTTTTAAATGAGCAAAAGGCTTGGGT
AAACTATTCAAAAGGAACGTAGACAAATGCCAGTACACACATGAGAAGCGCATACACATCCACAACTT
CAAACAAGCCACCTCATGTATTTCTAGTGAGTAAGGAAAAGAACGCAACACTTTTGAAAATTGTTTGG
TTGTTTCTGTAAATTTAAACAAATACCTATTATATTATCCAGCGAGTCCATCCTTAGGTTTTATCCA
AGGATAAAGAGGTGAAAACCTATATCTAACAAATAGACTTCTGAAAAGATGAAAATAGAAGCTTTATTCA
TAAAAGACAAAACCTGGAATAAACCAATATTCACTACAGGAGAATGAATAAACAGACTAGGTGAAT
CCATACAATGGAATGGTAGCAGACAATAAAAGAAAATGAAGTATTGATGCCCCCTACTGCACAGCAGAA
GCTCTGAATCGTGTCTGAATGAAAGAAGTCAGGTATGAAAGAATAAACATTGTATGATTCATTTATA
TGAAAATGAATCTGTGATTTAAAAATCAGACTAGTATTAGGTTGGTGCGACAGTAATTGCGTTTTTTGCC
TTTTTTTTTTTAAAGTTGCTTTGGGGTTTATGGATGGAGTGGCATGGTAGAGTTAGCTGAAGGGGGC
ATGAAATAACTTTTTGGGGTGCTAGAGTGTGTAATCTTACAGTGGGGGAGGACAGGAGTGCAGGCA
TTTGACAAAACACATTGAATTGTGAAATTTAAGATTTTGAATTTCTTTGTATGTAATTACCTGCCAAT
AAAAACATGACGAATAGAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for BC029890 unedited
CAGCTTTTGAATACGACTTACTATAGNNGCGGCCGCGCAATTCCGGCAGAGCTCAGCT
GCAGGAGCCAGACATGTGGAGTCCCAGCAGAGGCCAACCTGTGTCTTTCATCTCCGTGA
GAAAGGTGCCCCGAAGTGAAAGAGATGGCCTGGTGAAAGCCTGGGACTCAGGAATTCT
CCCACCTCCGGAATGCCTTGCTGCTGGGGTGACCAGGTCTTCACTTGTGAAACAGGAGTCG
GCCACCTCAGCCCTGCGCCTGGCCTGGTGAACATGGGTCAACGCCCAACCTGGGGCAG
CGCCCCATCCCAACGCAGTTGCTGCGCCTCTCCATGCCTCCCTGTGCCAGCTAACCGA
TGGACTTGTCCCCTGGGAAAACCTGGGTACCCAGGCTGCCTTTGGTTTCAGCCCTACTC
CTCTTCCCGGGCTGCCTGTGCTCCCGGACGGCCCCCTTCCCGGGCTGTGTTACATCA
GCTGGGAAGGGTCCCTTGACACAGATCTTGGACGAGGTGCGTCCCCCTCGTGACCAG
CAAACCTCCTAAAAGCGGCCCTTGCCCCAGAGCCCTGTAGCCTCCAACCGGCAGTCAGGA
GGCAGCGCCGTCTCAGCGCCGCTTAGTGGCGCCAGGCGTGCCTGGAATCCGCTTTCGCA
GCGCCCCCTCGTAGCCGCTCCGCCGAGAAAGGCGTTCCCTGGACAGAGAACGGGCG
CGCCGNGCGGGGCGCGCGGNCCTTGCCNCGAGACCTGACTCTCCAGCAGCAGTGAAGC
CGGAGTGACGCGTTGTGTTGAACACCAATTTTCTGGAGCGCTGTGTGTTCTCAACAGCTG
AGCAGTCTGTTTCTACAATCAGGTTTCAAAGCCACTTCACTGCACTGGCCCCCTGTGGGTG
ACTGCTGCACCGCCCTGGCCATGTGGNTCCNTGAGNACGACCTGNCGGNGCANCNNTGCT
GACGANAAGACCACCTTGACTC

3' Read Nucleotide Sequence:	>OriGene 3' read for BC029890 unedited <pre> GGACAACATATGGATCGCGCCGCATCCTANGATCGGTTTTTTTTTTTTTTTTTATTCGTC ATGTTTTTATTGGCAGGTAATTTACATACAAAGAAATTCAAAAATCTAAATTTACAAT TCAATGTGTTTTGTCAAATGCCTGCACTCCTGTCCCTCCCCCACTGTAAGATTACAAACA CTCTAGCACCCCCAAAAATTATTCATGCCCCCTTCAGCTAACCTCTACCATGCCACTCC ATCCATAAACCCCAAGCAACTATTAAGGCAAAAAACGCAATTACTTT CGCACCAACCTAATACTAGTCTGATTTTTAAATCACAGATTCATTTTCATATAATGGAA TCATACAATGTTTATTCTTTCATACCTGACTTCTTTCATTACAGAACACGATTAGAGCT TCTGCTGTGCAGTAGGGGGCATCAATAGTTCATTTTCTTTTATTGTCTGCTACCATTC ATTGTATGGATTCAACCTAGTCTGTTTATTCATCTCCTGTGAATGAATATTTGGGTAT TTCCAGTTTTGTCTTTATGAATAAGCTTCTATTTTCATCTTTTCAGAACTCTATTG TTAGATATGAGTTTTACCTCTTTATCCTTGGATAAAACCTAAGGATGGACTCGCTGGA TAATATAATAGGGTATTGTGTTAAATTTACAAGAAACAACCAACAATTTCAAAGTGT TTGCGTTCTTTTCTTACTACTAGAAATACATGAAGTGGGCTTGTGGAAGTTTGTGGA TGTGTATGCGCTTCTCATGTGTGACTGGCATTGTCTACGTTCTTTGTGAATAGTTTA CCCAAGCCTTTTGCTCATTTTAAAAAACTGACTTTGNNTGAGTATAGAATTCTT </pre>
Restriction Sites:	NotI-NotI
ACCN:	BC029890
Insert Size:	1850 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC029890.1
RefSeq Size:	1940 bp
RefSeq ORF:	1940 bp
Locus ID:	244
Cytogenetics:	10q11.22

Gene Summary:

This gene encodes a member of the annexin family of evolutionarily conserved Ca^{2+} and phospholipid binding proteins. The encoded protein may function as an anticoagulant that indirectly inhibits the thromboplastin-specific complex. Overexpression of this gene has been associated with acute myelocytic leukemia. A highly similar duplicated copy of this gene is found in close proximity on the long arm of chromosome 10. [provided by RefSeq, Jul 2008]