

## Product datasheet for **RC232330**

### Annexin VIII (ANXA8) (NM\_001271703) Human Tagged ORF Clone

#### Product data:

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                            |
| Product Name:             | Annexin VIII (ANXA8) (NM_001271703) Human Tagged ORF Clone                     |
| Tag:                      | Myc-DDK                                                                        |
| Symbol:                   | Annexin VIII                                                                   |
| Synonyms:                 | ANX8; CH17-360D5.2                                                             |
| Mammalian Cell Selection: | Neomycin                                                                       |
| Vector:                   | pCMV6-Entry (PS100001)                                                         |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                           |
| ORF Nucleotide Sequence:  | >RC232330 representing NM_001271703<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

ATGGCCTGGTGGAAATCCTGGGACCTCACTGAGACCTTGAAGTCTGAGCTCAGTGGCAAGTTTGAGAGGC  
TCATTGTGGCCCTTATGTACCCGCCATACAGATACGAAGCCAAGGAGCTGCATGACGCCATGAAGGGCTT  
AGGAACCAAGGAGGGTGTATCATTGAGATCCTGGCCTCTCGGACCAAGAACCAGCTGCGGGAGATAATG  
AAGGCGTATGAGGAAGACTATGGGTCCAGCCTGGAGGAGGACATCCAAGCAGACACAAGTGGCTACCTGG  
AGAGGATCCTGGTGTGCCTCCTGCAGGGCAGCAGGGATGATGTGAGCAGCTTTGTGGACCCAGGACTGGC  
CCTCCAAGACGCACAGGATCTGTATGCGGCAGGCGAGAAGATTGTTGGGACTGATGAGATGAAATTCATC  
ACCATCCTGTGCACGCGCAGTGCCACTCACCTGCTGAGAGTGTTTGAAGAGTATGAGAAAATTGCCAACA  
AGAGCATTGAGGACAGCATCAAGAGTGAGACCCATGGCTCACTGGAGGAGGCCATGCTCACTGTGGTGAA  
ATGCACCCAAAACCTCCACAGCTACTTTGCAGAGAGACTCTACTATGCCATGAAGGGAGCAGGGACGCGT  
GATGGGACCCTGATAAGAAACATCGTTTCAAGGAGCGAGATTGACTTAAATCTTATCAAATGTCACCTTCA  
AGAAGATGTACGGCAAGACCCTCAGCAGCATGATCATGGAAGACACCAGCGGTGACTACAAGAACGCCCT  
GCTGAGCCTGGTGGGCAGCGACCCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



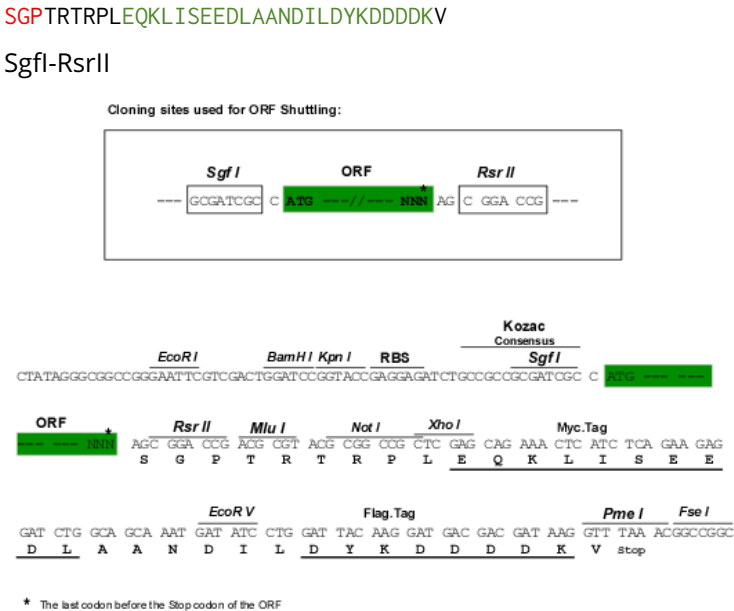
[View online »](#)

**Protein Sequence:** >RC232330 representing NM\_001271703  
 Red=Cloning site Green=Tags(s)

MAWWKSWDLTETLKSELSGKFERLIVALMYPYRYEAKELHDAMKGLGTKEGVIEILASRTKNQLREIM  
 KAYEEDYGSSLEEDIQADTSGYLERILVCLLQGSRDDVSSFVDPGLALQDAQDLYAAGEKIRGTDEMKEFI  
 TILCTRSATHLLRVFEEYEKIANKSIEDSIKSETHGSLEEAMLTVVKCTQNLHSYFAERLYYAMKGAGTR  
 DGTILIRNIVSRSEIDLNLIKCHFVKMYGKTLSSMIMEDTSGDYKNALLSLVGSDP

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**ACCN:** NM\_001271703

**ORF Size:** 795 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001271703.1](#), [NP\\_001258632.1](#)

**RefSeq Size:** 1905 bp

**RefSeq ORF:** 798 bp

**Locus ID:** 653145

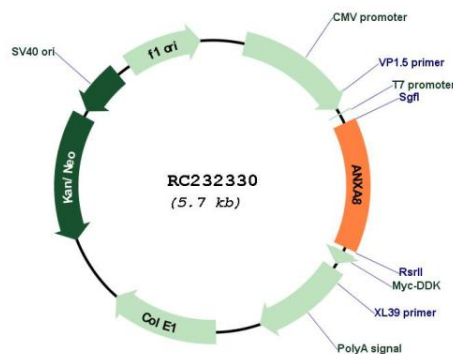
**UniProt ID:** [P13928](#)

**Cytogenetics:** 10q11.22

**MW:** 30.5 kDa

**Gene Summary:** This gene encodes a member of the annexin family of evolutionarily conserved Ca<sup>2+</sup> 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]

## Product images:



Circular map for RC232330