

## Product datasheet for **RG212191**

### Annexin A11 (ANXA11) (NM\_001157) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Annexin A11 (ANXA11) (NM_001157) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Annexin A11
Synonyms:	ALS23; ANX11; CAP-50; CAP50
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG212191 representing NM\_001157  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCTACCCTGGCTATCCCCGCCCCAGTGGCTACCCACCAGCTGCACCAGTGGTGGTCCCTGGG  
 GAGGTGCTGCCTACCCTCCTCCGCCAGCATGCCCCCATCGGGCTGGATAACGTGGCCACTATGCGGG  
 GCAGTTCAACCAGGACTATCTCTCGGGAATGGCGGCCAACATGTCTGGGACATTTGGAGGAGCAACATG  
 CCCAACCTGTACCCTGGGGCCCCGGGGCTGGCTACCCACCAGTCCCCCTGGCGGCTTTGGGCAGCCCC  
 CCTCTGCCAGCAGCCTGTTCTCCCTATGGGATGTATCCACCCAGGAGGAAACCCACCTCCAGGAT  
 GCCCTCATATCCGCCATACCCAGGGGCCCTGTGCCGGGCCAGCCATGCCACCCCGGACAGCAGCCC  
 CCAGGGGCTACCCTGGCAGCCACCAGTGACCTACCCTGGTCAGCCTCCAGTGCCTCCCTGGGCAGC  
 AGCAGCCAGTCCGAGCTACCCAGGATACCCGGGGTCTGGGACTGTACCCCGCTGTGCCCAACCCA  
 GTTTGGAAGCCGAGGCACCATCACTGATGCTCCCGGCTTTGACCCCTGCGAGATGCCGAGTCTCGCG  
 AAGCCATGAAAGGCTTCGGGACGGATGAGCAGGCCATCATTGACTGCCTGGGGAGTCGCTCCAACAAGC  
 AGCGGCAGCAGATCCTACTTTCCTTCAAGACGGCTTACGCAAGGATTTGATCAAAGATCTGAAATCTGA  
 ACTGTCAGGAACTTTGAGAAGACAATCTTGGCTCTGATGAAGACCCAGTCTCTTTGACATTTATGAG  
 ATAAAGGAAGCCATCAAGGGGTTGGCACTGATGAAGCCTGCCTGATTGAGATCCTCGCTTCCCGCAGCA  
 ATGAGCACATCCGAGAATTAACAGAGCCTACAAAGCAGAATCAAAAAGACCCTGGAAGAGGCCATTTCG  
 AAGCGACATCAGGGCACTTCCAGCGGCTCCTCATCTCTCTCTCAGGGAAACCGTATGAAAGCACA  
 AACGTGGACATGTCACTCGCCAGAGAGATGCCAGGAGCTGTATGCGGCCGGGAGAACCGCCTGGGAA  
 CAGACGAGTCCAAGTTCATGCGGTTCTGTGCTCCCGGAGCCGGGCCACCTGGTAGCAGTTTTCAATGA  
 GTACCAGAGAATGACAGGCCGGACATTGAGAAGAGCATCTGCCGGGAGATGTCCGGGGACCTGGAGGAG  
 GGCATGCTGGCCGTGGTAAATGTCTCAAGAATACCCAGCCTTCTTTGCGGAGAGGCTCAACAAGGCCA  
 TGAGGGGGCAGGAACAAGACCGGACCCTGATTGCGATCATGGTGTCTCGCAGCGAGACCGACCTCCT  
 GGACATCAGATCAGAGTATAAGCGGATGTACGGCAAGTCGCTGTACCACGACATCTCGGGAGATACTTCA  
 GGGGATTACCGGAAGATTCTGCTGAAGATCTGTGGTGGCAATGAC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG212191 representing NM\_001157  
 Red=Cloning site Green=Tags(s)

MSYPGYPPPPGGYPPAAPGGGPWGGAAAYPPPPSMPPIGLDNVATYAGQFNQDYL SGM AANMSGTFGGANM  
 PNL YPGAPGAGYPPVPPGGFGQPPSAQQPVPPYGMYPGGNPPSRMPSYPPYPGAPVPGQPMPPPGQQP  
 PGAYPGPPVTPYGPQPPLPGQQQPVPSYPGYPGSGTVTPAVPPTQFGSRGITDAPGFDPLRDAEVL R  
 KAMKFGTDEQAIIDCLGSRSNKQRQQILL SFKTA YGKDLIKDLKSEL SGNFEKTI LALMKT PVLFDIYE  
 IKEAIKGVGTDEACLEIEILASRSNEHIRELN RAYKA EFKKLEEAIRSDTSGHFQRL LISLSQGNRDEST  
 NVDMSLAQRDAQELYAAGENRLGTDESKFNAVLCSRSRAHLVAVFNEYQRMTGRDIEKSICREMSGDLEE  
 GMLAVVKCLKNTPAFFAERLNKAMRGAGTKDRTLIRIMVSRSETDLLDIRSEYKRMYGKSLYHDISGDT S  
 GDYRKILLKICGGND

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001157

**ORF Size:** 1515 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.

**RefSeq:** [NM\\_001157.3](#)

**RefSeq Size:** 2486 bp

**RefSeq ORF:** 1518 bp

**Locus ID:** 311

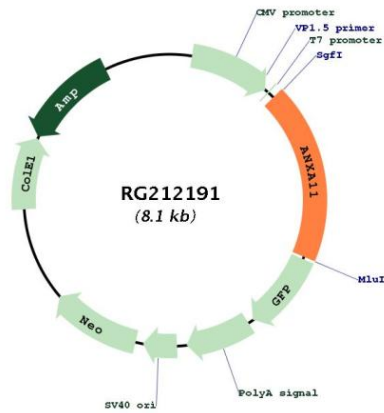
**UniProt ID:** [P50995](#)

**Cytogenetics:** 10q22.3

**Domains:** annexin

**Gene Summary:** This gene encodes a member of the annexin family, a group of calcium-dependent phospholipid-binding proteins. Annexins have unique N-terminal domains and conserved C-terminal domains, which contain calcium-dependent phospholipid-binding sites. The encoded protein is a 56-kD antigen recognized by sera from patients with various autoimmune diseases. Several transcript variants encoding two different isoforms have been identified. [provided by RefSeq, Dec 2015]

**Product images:**



Circular map for RG212191