

Product datasheet for **RG238605**

Annexin A11 (ANXA11) (NM_001278407) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Annexin A11 (ANXA11) (NM_001278407) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANXA11
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:

>RG238605 representing NM_001278407.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGCTACCTGGCTATCCCCGCCCCAGGTGGTACCCACCAGCTGCACCAGGTGGTGGTCCCTGG
GGAGGTGCTGCCTACCTCCTCCGCCAGCATGCCCCCATCGGGCTGGATAACGTGCCACCTATGCG
GGGCAGTTCAACCAGGACTATCTCTCGGAATGGCGGCCAACATGTCTGGGACATTTGGAGGAGCCAAC
ATGCCAACCTGTACCCTGGGGCCCTGGGGCTGGCTACCCACCAGTGCCCCCTGGCGGCTTTGGGCAG
CCCCCTCTGCCAGCAGCCTGTTCTCCCTATGGGATGTATCCACCCAGGAGAAACCACCCTCC
AGGATGCCCTCATATCCGCCATACCCAGGGGCCCTGTGCCGGGCCAGCCATGCCACCCCGGACAG
CAGCCCCAGGGGCTACCCTGGCAGCCACCAGTGACCTACCCTGGTCCAGCTCCAGTGCCACTCCCT
GGGCAGCAGCAGCAGTCCGAGCTACCCAGGATACCCGGGTCTGGGACTGTACCCCGCTGTGCC
CCAACCCAGTTTGAAGCCGAGGACCATCACTGATGCTCCCGCTTTGACCCCTGCGAGATGCCGAG
GTCTGCGGAAGCCATGAAAGGCTTCGGGACGGATGAGCAGGCCATCATTGACTGCCTGGGGAGTCGC
TCCAACAAGCAGCGGCAGCAGATCTACTTTCTTCAAGACGGCTTACGGCAAGGATTTGATCAAAGAT
CTGAAATCTGAAGTGTACAGAACTTTGAGAAGACAATCTGGCTCTGATGAAGACCCAGTCTCTTT
GACATTTATGAGATAAAGGAAGCCATCAAGGGGTTGGCACTGATGAAGCCTGCCTGATTGAGATCCTC
GCTTCCCGCAGCAATGAGCACATCCGAGAATTAACAGAGCCTACAAAGCAGAATTCAAAAGACCCCTG
GAAGAGGCCATTCGAAGCGACACATCAGGGCACTTCCAGCGGCTCCTCATCTCTCTCAGGGAAAC
CGTGATGAAAGCACAACGTGGACATGTACTCGCCAGAGAGATGCCAGGAGCTGTATGCCGCCGGG
GAGAACCCTGGGAACAGACGAGTCCAAGTTCAATGCGGTTCTGTCTCCCGGAGCCGGGCCACCTG
GTAGCAGTTTCAATGAGTACCAGAGAATGACAGGCCGGGACATGAGAAGAGCATCTGCCGGGAGATG
TCCGGGGACCTGGAGGAGGCATGCTGGCGTGGTGAATGTCTCAAGAATACCCAGCCTTCTTTGCG
GAGAGGCTCAACAGGCCATGAGGGGGCAGGAACAAAGACCGACCCTGATTCGCATCATGGTGTCT
CGCAGCGAGACCGACCTCCTGGACATCAGATCAGAGTATAAGCGGATGTACGGCAAGTGCCTGTACCAC
GACATCTCGGGAGATACTTACGGGGATTACCGGAAGATTCTGCTGAAGATCTGTGGTGGCAATGAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG238605
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MSYPGYPPPPGGYPPAAPGGGPWGGAAYPSPMPPIGLDNVATYAGQFNQDYL SGMAANMSGTFGGAN
MPNLYPGAPGAGYPPVPPGGFGQPPSAQQPVPPYGMYPGGNPPSRMPSYPPYPGAPVPGQPMPPPGQ
QPPGAYPGQPPVTPYGGQPPVPLPGQQQPVPSYPGYPGSGVTVPVAVPPTQFGSRGTITDAPGFDPLRDAE
VLRKAMKGFGTDEQAIIDCLGSRSNKQRQQILL SFKTAYGKDLIKDLKSEL SGNFEKTI LALMKTPVLF
DIYEIKEAIKGVGTDEACIEILASRSNEHIRELNRAYKAFFKTL EEAIRSDTSGHFQRLLI SL SQGN
RDESTNVMSLAQRDAQEL YAAGENRLGTDESKFNAVLCSRSRAHLVAVFNEYQRMTGRDIEKSICREM
SGDLEEGLAVVKCLKNTPAFFAERLNKAMRGAGTKDRTLIRIMVSRSETDLLDIRSEYKRMYGKSLYH
DISGDTSGDYRKILLKICGGND
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
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FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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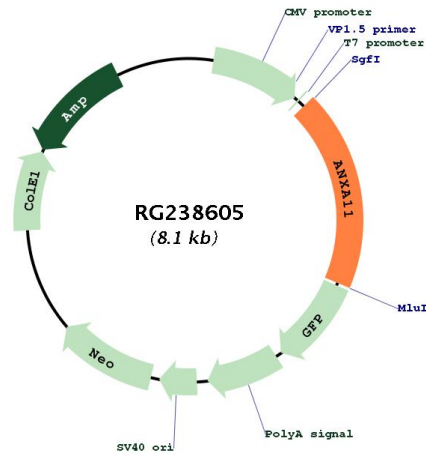
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_001278407

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).

RefSeq: [NM_001278407.2](#)

RefSeq Size: 2465 bp

RefSeq ORF: 1518 bp

Locus ID: 311

UniProt ID: [P50995](#)

Cytogenetics: 10q22.3

MW: 54.4 kDa

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]