

Product datasheet for **RG238426**

Annexin A11 (ANXA11) (NM_001278409) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Annexin A11 (ANXA11) (NM_001278409) 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)
ORF Nucleotide Sequence:	>RG238426 representing NM_001278409. Blue=ORF Red=Cloning site Green=Tag(s)

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GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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ATGGCGGCCAACATGTCTGGGACATTTGGAGGAGCCAACATGCCAACCTGTACCCTGGGGCCCTGGG
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TCAGAGTATAAGCGGATGACGGCAAGTCGCTGTACCACGACATCTCGGGAGATACTTCAGGGGATTAC
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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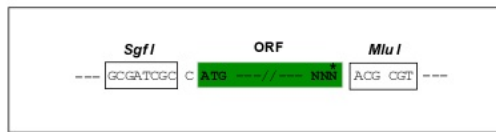
Protein Sequence: >Peptide sequence encoded by RG238426
 Blue=ORF Red=Cloning site Green=Tag(s)

MPPIGLDNVATYAGQFNQDYLSGMAANMSGTFGGANMPNLYPGAPGAGYPPVPPGGFGQPPSAQQPVPP
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 MGYGFYHFGTYPGYPNPFHLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
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Restriction Sites: SgfI-MluI

Cloning Scheme:

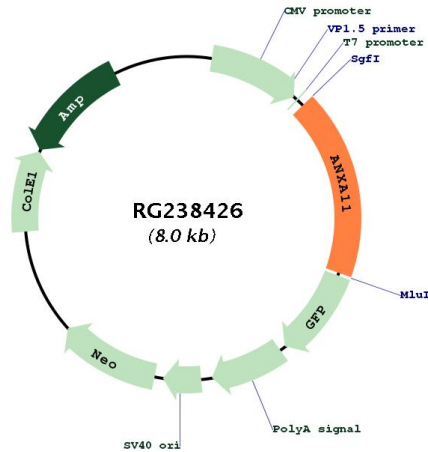
Cloning sites used for ORF Shutting:



EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI
 CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCCGCGCATCGCCGGCGCCAGATCT

HindIII NheI RsrII MluI NotI XhoI GFP Tag
 CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---
 T R T R P L E M E S D - - -

PmeI FseI
 --- --- GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT
 - - E E R V Stop

Plasmid Map:


ACCN: NM_001278409

ORF Size: 1416 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_001278409.2](#)

RefSeq Size: 2804 bp

RefSeq ORF: 1419 bp

Locus ID: 311

UniProt ID: [P50995](#)

Cytogenetics: 10q22.3

MW: 51.7 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]