

Product datasheet for **RG202086**

Annexin VI (ANXA6) (NM_001155) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Annexin VI (ANXA6) (NM_001155) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANXA6
Synonyms:	ANX6; CBP68; CPB-II; p68; p70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RG202086 representing NM_001155
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCAAACAGCACAGGGTGCCAAGTACCGGGCTCCATCCATGACTCCCAGGCTTTGACCCCAACC
AGGATGCCGAGGCTCTGTACACTGCCATGAAGGGCTTTGGCAGTGACAAGGAGGCCATACTGGACATAAT
CACCTCACGGAGCAACAGGCAGAGGCAGGAGGTCTGCCAGAGCTACAAGTCCCTCTACGGCAAGGACCTC
ATTGCTGATTTAAAGTATGAATTGACGGCAAGTTGAACGGTTGATTGTGGCCTGATGAGGCCACCTG
CCTATTGTGATGCCAAAGAAATTAAGATGCCATCTCGGGCATTGGCACTGATGAGAAGTGCCTCATTGA
GATCTTGGCTTCCCGACCAATGAGCAGATGCACCAGCTGGTGGCAGCATACAAAGATGCCTACGAGCGG
GACCTGGAGGCTGACATCATCGGCACACCTCTGGCCACTCCAGAAGATGCTTGTGGTCTGCTCCAGG
GAACCAGGGAGGAGGATGACGTAGTGAGCGAGGACCTGGTACAACAGGATGTCCAGGACCTATACGAGGC
AGGGGAAGTGAATGGGGAACAGATGAAGCCCAGTTTACATCTTGGGAAATCGCAGCAAGCAGCAT
CTTCGGTTGGTGTTCGATGAGTATCTGAAGACCACAGGGAAGCCGATTGAAGCCAGCATCCGAGGGGAGC
TGCTGGGGACTTTGAGAAGCTAATGCTGGCCGTAGTGAAGTGTATCCGGAGCACCCCGGAATTTTTGC
TGAAAGGCTCTTCAAGGCTATGAAGGGCTGGGGACTCGGGACAACCCCTGATCCGCATCATGGTCTCC
CGTAGTGAGTTGGACATGCTCGACATTCGGGAGATCTTCCGGACCAAGTATGAGAAGTCCCTCTACAGCA
TGATCAAGAAATGACACCTCTGGCGAGTACAAGAAGACTCTGCTGAAGCTGTCTGGGGGAGATGATGATGC
TGCTGGCCAGTTCTTCCCGGAGGCAGCGCAGGTGGCCTATCAGATGTGGGAAGTGTAGTGCAGTGGCCCGA
GTAGAGCTGAAGGAACTGTGCGCCAGCCAATGACTTCAACCTGACGCAGATGCCAAAGCGCTGCGGA
AAGCCATGAAGGGACTCGGGACTGACGAAGACACAATCATCGATATCATCAGCACCGCAGCAATGTCCA
GCGGCAGCAGATCCGGCAGACCTTCAAGTCTCACTTTGGCCGGGACTTAATGACTGACCTGAAGTCTGAG
ATCTCTGGAGACCTGGCAAGGCTGATTCTGGGGCTCATGATGCCACCGGCCATTACGATGCCAAGCAGT
TGAAGAAGGCCATGGAGGGAGCCGGCACAGATGAAAAGGCTCTTATTGAAATCCTGGCCACTCGGACCAA
TGCTGAAATCCGGGCCATCAATGAGGCCTATAAGGAGGACTATCACAAAGTCCCTGGAGGATGCTCTGAGC
TCAGACACATCTGGCCACTTCAGGAGGATCCTCATTTCTCTGGCCACGGGGCATCGTGAGGAGGGAGGAG
AAAACCTGGACCAGGCACGGGAAGATGCCAGGTGGCTGCTGAGATCTTGGAAATAGCAGACACACCTAG
TGGAGACAAAACCTTCTTGGAGACACGTTTCATGACGATCCTGTGTACCCGGAGCTATCCGCACCTCCGG
AGAGTCTTCCAGGAGTTCATCAAGATGACCAACTATGACGTGGAGCACACCATCAAGAAGGAGATGTCTG
GGGATGTCAGGGATGCATTTGTGGCCATTGTTCAAAGTGTCAAGAACAAGCCTCTCTTCTTGGCCGACAA
ACTTTACAAATCCATGAAGGGTCTGGCACAGATGAGAAGACTCTGACCAGGATCATGGTATCCCGCAGT
GAGATTGACCTGCTCAACATCCGGAGGGAATTCATTGAGAAATATGACAAGTCTCTCCACCAAGCCATTG
AGGGTGACACCTCCGGAGACTTCTGAAGGCCTTGTGGCTCTCTGTGGTGGTGAGGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG202086 representing NM_001155
 Red=Cloning site Green=Tags(s)

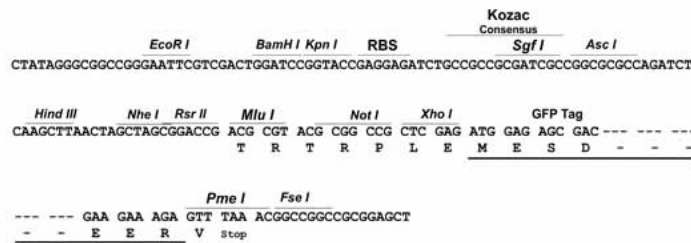
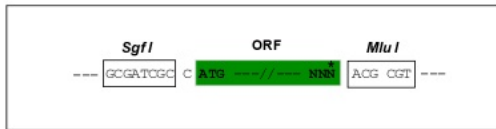
MAKPAQGAKYRGSIHDFPGFDPNQDAEALYTAMKFGSDKEAILDIIITSRSNRQRQEVQCSYKSLYGKDL
 IADLKYELTGKFERLIVGLMRPPAYCDAKEIKDAISGIGTDEKCLIEILASRTNEQMHQLVAAYKDAYER
 DLEADIIIGDTSGHFQKMLVLLQGTREEDDVVSEDLVQQDVQDLYEAGELKWTDEAQFIYILGNRSKQH
 LRLVFDEYKTTGKPIEASIRGELSGDFEKLMLAVVKCIRSTPEYFAERLFAKMKGLGTRDNTLIRIMVS
 RSELDMLDIREIFRTKYEKSLYSMIKNDTSGEYKTLKLLSGGDDAAGQFFPEAAQVAYQMWELSAVAR
 VELKGTVRPANDFNPDADAKALRKAMKGLGTDEDIIDIITHRSNVQRQIRQTFKSHFGRDLMTDLKSE
 ISGDLARLILGLMPPAHYDAKQLKKAMEGAGTDEKALIEILATRTNAEIRAINAYKEDYHKSLEDALS
 SDTSGHFRRILISLATGHREEGGENLDQAREDAQVAEILEIADTPSGDKTSLETRFMTILCTRSYPHLR
 RVFQEFIKMTNYDVEHTIKKEMSGDVRDAFVAIVQSVKNKPLFFADKLYKSMKGAGTDEKTLTRIMVSR
 EIDLLNIRREFIEKYDKSLHQAIEGDTSGDFLKALLALCGGED

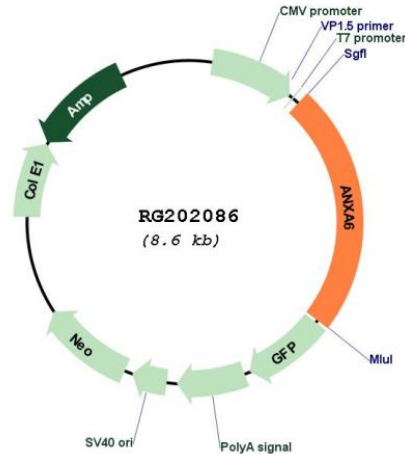
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:


ACCN: NM_001155

ORF Size: 2019 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001155.5](#)

RefSeq Size: 2915 bp

RefSeq ORF: 2022 bp

Locus ID: 309

UniProt ID: [P08133](#)

Cytogenetics: 5q33.1

Domains: annexin

Gene Summary: Annexin VI belongs to a family of calcium-dependent membrane and phospholipid binding proteins. Several members of the annexin family have been implicated in membrane-related events along exocytotic and endocytotic pathways. The annexin VI gene is approximately 60 kbp long and contains 26 exons. It encodes a protein of about 68 kDa that consists of eight 68-amino acid repeats separated by linking sequences of variable lengths. It is highly similar to human annexins I and II sequences, each of which contain four such repeats. Annexin VI has been implicated in mediating the endosome aggregation and vesicle fusion in secreting epithelia during exocytosis. Alternatively spliced transcript variants have been described. [provided by RefSeq, Aug 2010]