

Product datasheet for **RG215571**

Annexin A13 (ANXA13) (NM_001003954) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Annexin A13 (ANXA13) (NM_001003954) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Annexin A13
Synonyms:	ANX13; ISA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215571 representing NM_001003954 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAATCGTCATAGCCAGTCGTACACCCTCTCAGAAGGCAGTCAACAGTTGCCTAAAGGGGACTCCC
AACCTCGACAGTCGTGCAGCCTCTCAGCCACCCATCACGGAATGGAGAGCCAGAGGCCCCACAGCCTGC
TAAAGCGAGCAGTCCTCAGGGTTTTGATGTGGATCGAGATGCCAAAAGCTGAACAAAGCCTGCAAAGGA
ATGGGGACCAATGAAGCAGCCATCATTGAAATCTTATCGGGCAGGACATCAGATGAGAGGCAACAAATCA
AGCAAAAGTACAAGGCAACGTACGGCAAGGAGCTGGAGGAAGTACTCAAGAGTGAGCTGAGTGAAACTT
CGAGAAGACAGCGTTGGCCCTTCTGGACCGTCCCAGCGAGTACGCCGCCGCGCAGCTGCAGAAGGCTATG
AAGGGTCTGGGCACAGATGAGTCCGTCCTCATTGAGGTCCTGTGCACGAGGACCAATAAGGAAATCATCG
CCATTAAGAGGCTACCAAAGGCTATTTGATAGGAGCCTCGAATCAGATGTCAAAGGTGATACAAGTGG
AAACCTAAAAAATCCTGGTGTCTCTGCTGCAGGCTAATCGCAATGAAGGAGATGACGTGGACAAAGAT
CTAGCTGGTCAGGATGCCAAGATCTGTATGATGCAGGGGAAGGCCGCTGGGGCACTGATGAGCTTGCGT
TCAATGAAGTCTGGCCAAGAGGAGCTACAAGCAGTTACGAGCCACCTTTCAAGCCTATCAAATTCAT
TGGCAAAGACATAGAAGAAGCCATTGAAGAAGAAACATCAGGCCGACTTGCAGAAGGCCTATTTAACTCTC
GTGAGATGTGCCAGGATTGTGAGGACTATTTTGTGCTGAACGTCTGTACAAGTCGATGAAGGTTCCGGGGA
CCGATGAGGAGACGTTGATTCGCATAGTCGTGACCAGGGCCGAGGTGGACCTTCAGGGGATCAAAGCAAA
GTTCCAAGAGAAGTATCAGAAGTCTCTCTGACATGGTTCGCTCAGATACCTCCGGGGACTTCCGGAAA
CTGCTAGTAGCCCTTTGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG215571 representing NM_001003954
Red=Cloning site Green=Tags(s)

MGNRHSQSYTLSEGSQQLPKGDSQPSTVVQPLSHPSRNGEPEAPQPAKASSPQGFVDVDRDAKLNKACKG
 MGTNEAAIEILSGRTSDERQQIKQKYKATYKKEEVLKSELSGNFKOTALALLDRPSEYARQLQKAM
 KGLGTDESVLIEVLCTRNTKEIIAIKEAYQRLFDRSLESVKGDTSGNLKKILVSLQLQANRNEGDDVDKD
 LAGQDAKDLYDAGEGRWGTDELAFNEVLAKRSYQLRATFQAYQILIGKDIEEAIEEETSGLDQKAYLTL
 VRCAQDCEDYFAERLYKSMKGAGTDEETLIRIVVTRAEVDLQGIKAKFQEKYQKSLSDMVRSDTSGDFRK
 LLVALLH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001003954

ORF Size: 1071 bp

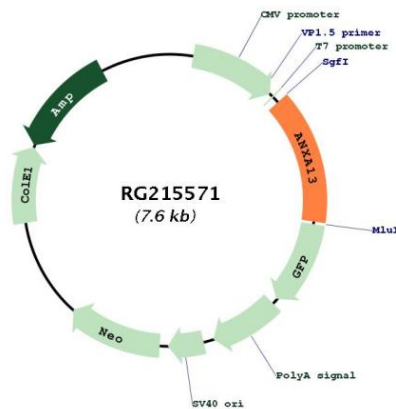
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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_001003954.3](#)
- RefSeq Size:** 1609 bp
- RefSeq ORF:** 1074 bp
- Locus ID:** 312
- UniProt ID:** [P27216](#)
- Cytogenetics:** 8q24.13
- Gene Summary:** This gene encodes a member of the annexin family. Members of this calcium-dependent phospholipid-binding protein family play a role in the regulation of cellular growth and in signal transduction pathways. The specific function of this gene has not yet been determined; however, it is associated with the plasma membrane of undifferentiated, proliferating endothelial cells and differentiated villus enterocytes. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG215571