

## Product datasheet for **RG200268**

### Annexin A10 (ANXA10) (NM\_007193) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Annexin A10 (ANXA10) (NM_007193) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Annexin A10
Synonyms:	ANX14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200268 representing NM_007193 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTTTGTGGAGACTATGTGCAAGGAACCATCTCCAGCTCCCAATTTCAATCCCATAATGGATGCC  
AAATGCTAGGAGGAGCACTCCAAGGATTTGACTGTGACAAAGACATGCTGATCAACATTCTGACTCAGCG  
CTGCAATGCACAAAGGATGATGATTGCAGAGGCATACCAGAGCATGTATGGCCGGGACCTGATTGGGGAT  
ATGAGGGAGCAGCTTTCGGATCACTTCAAAGATGTGATGGCTGGCCTCATGTACCCACCACCACTGTATG  
ATGCTCATGAGCTCTGGCATGCCATGAAGGGAGTAGGCACTGATGAGAATTGCCTCATTGAAATACTAGC  
TTCAAGAACAATGGAGAAATTTCCAGATGCGAGAAGCCTACTGCTTGAATACAGCAATAACCTCCAA  
GAGGACATTTATTCAGAGACCTCAGGACACTTCAGAGATACTCTCATGAATTGGTCCAGGGGACCAGAG  
AGGAAGGATATACAGACCCTGCGATGGCTGCTCAGGATGCAATGGTCTATGGGAAGCCTGTCAGCAGAA  
GACGGGGAGCACAAAACCATGCTGCAATGATCCTGTGCAACAAGAGCTACCAGCAGCTGCGGCTGGTT  
TTCCAGGAATTTCAAATATTTCTGGGCAAGATATGGTAGATGCCATTAATGAATGTTATGATGGATACT  
TTCAGGAGCTGCTGGTTGCAATTGTTCTCTGTGTTGAGACAAACCAGCCTATTTTGCTTATAGATTATA  
TAGTGAATTCATGACTTTGGTTCCATAATAAACTGTAATCAGGATTCTCATTGCCAGAAGTGAATA  
GACCTGCTGACCATAAGGAAACGATACAAGAGCGATATGGAAAATCCCTATTTTCATGATATCAGAAAT  
TTGCTTCAGGGCATTATAAGAAAAGCACTGCTTGCCATCTGTGCTGGTGATGCTGAGGACTAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG200268 representing NM\_007193  
 Red=Cloning site Green=Tags(s)

MFCGDYVQGTIFPAPNFPIMDAQMLGGALQGFDCDKDMLINILTQRCNAQRMMIAEAYQSMYGRDLIGD  
 MREQLSDHFKDVMAGLMYPPL YDAHELWHAMKGVGTDENCLIEILASRTNGEIFQMREAYCLQYSNNLQ  
 EDIYSETSGHFRDTLMNLVQGTREEGYTDPAMAAQDAMVLWEACQKKTGEHKTMLQMILCNKSYQLRLV  
 FQEFQNISGQDMVDAINECYDGYFQELLVAIVLCVRDKPAYFAYRLYSAIHDFGFHNKTVIRILIARSEI  
 DLLTIRKRYKERYGKSLFHDIRNFASGHYKALLAICAGDAEDY

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_007193

**ORF Size:** 972 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_007193.5](#)

**RefSeq Size:** 1428 bp

**RefSeq ORF:** 975 bp

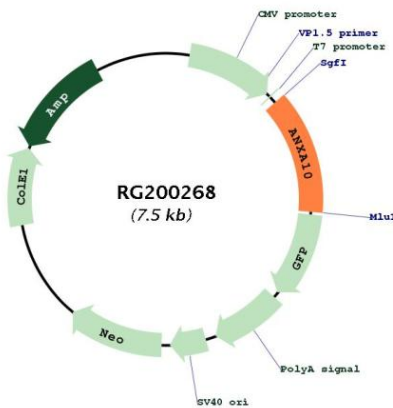
**Locus ID:** 11199

**UniProt ID:** [Q9UJ72](#)

**Cytogenetics:** 4q32.3

**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 function of this gene has not yet been determined. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG200268