

Product datasheet for **RG201540**

Annexin A3 (ANXA3) (NM_005139) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Annexin A3 (ANXA3) (NM_005139) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Annexin A3
Synonyms:	ANX3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201540 representing NM_005139 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATCTATCTGGTTGGACACCGAGGAACAGTAAGAGATTATCCAGACTTTAGCCCATCAGTGGATG
CTGAAGCTATTCAGAAAGCAATCAGAGGAATTGGAAGTATGAGAAAATGCTCATCAGCATTCTGACTGA
GAGGTCAAATGCACAGCGGCAGCTGATTGTTAAGGAATATCAAGCAGCATATGAAAGGAGCTGAAAGAT
GACTTGAAGGGTATCTCTCTGGCCACTTTGAGCATCTCATGGTGGCCCTAGTGACTCCACCAGCAGTCT
TTGATGCAAAGCAGCTAAAGAAATCCATGAAGGGCGCGGAACAAACGAAGATGCCTTGATTGAAATCTT
AACTACCAGGACAAGCAGGCAAATGAAGGATATCTCTCAAGCCTATTATACAGTATAACAAGAAGAGTCTT
GGAGATGACATTAGTTCCGAAACATCTGGTGACTTCCGGAAAGCTCTGTTGACTTTGGCAGATGGCAGAA
GAGATGAAAGTCTGAAAGTGGATGAGCATCTGGCCAAACAAGATGCCAGATTCTCTATAAAGCTGGTGA
GAACAGATGGGGCACGGATGAAGACAAATTCAGTGAATCCTGTGTTAAGGAGCTTTCCTCAATAAAA
CTAACATTTGATGAATACAGAAATATCAGCCAAAAGGACATTGTGGACAGCATAAAAGGAGAATTATCTG
GGCATTGTAAGACTTACTGTTGGCCATAGTTAATTGTGTGAGGAACACGCCGCCCTTTTAGCCGAAAG
ACTGCATCGAGCCTTGAAGGGTATTGAACTGATGAGTTTACTCTGAACCGAATAATGGTGTCCAGATCA
GAAATTTGACCTTTTGGACATTCGAACAGAGTTCAAGAAGCATTATGGCTATTCCTATATTCAGCAATTA
AATCGGATACTTCTGGAGACTATGAAATCACACTCTTAAAAATCTGTGGTGGAGATGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201540 representing NM_005139
 Red=Cloning site Green=Tags(s)

MASIWVGHRTVRDYPDFSPSVDAEAIQKAIKRGIGTDEKMLISILTERSNAQRQLIVKEYQAAYGKELKD
 DLKGDLSGHFEHLMVALVTPPAVFDKQLKSKMGAGTNEDALIEILTRTSRQMKDISQAYYTVYKSL
 GDDISSETSGDFRKALLTLADGRRDESLKVDEHLAKQDAQILYKAGENRWGTDEDKFTEILCLRSFPQLK
 LTFDEYRNISQKDIVDSIKGELSGHFEDLLLAIVNCVRNTPAFLAERLHRALKGIGTDEF TLNRMVSR
 S EIDLDIRTEFKKHGYSLYSAIKSDTSGDYEITLLKICGGDD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005139

ORF Size: 969 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.

RefSeq: [NM_005139.3](#)

RefSeq Size: 1634 bp

RefSeq ORF: 972 bp

Locus ID: 306

UniProt ID: [P12429](#)

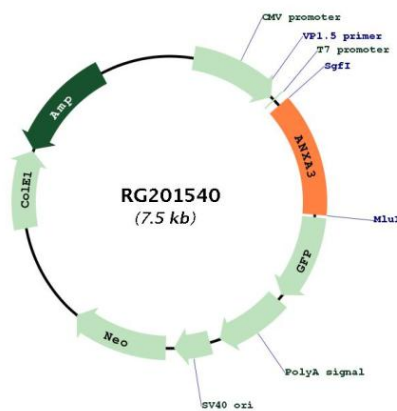
Cytogenetics: 4q21.21

Domains: annexin

Protein Families: Stem cell - Pluripotency

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. This protein functions in the inhibition of phospholipase A2 and cleavage of inositol 1,2-cyclic phosphate to form inositol 1-phosphate. This protein may also play a role in anti-coagulation. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG201540