

Product datasheet for **RG209862**

ANXA2R (NM_001014279) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ANXA2R (NM_001014279) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ANXA2R
Synonyms: AX2R; AXIIR; C5orf39
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG209862 representing NM_001014279
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCAACATTTTCTTGGCTGTGTGAAGCGGGCTTGGGATCCGCAGAGGTGGCGCCAGAGCCCCAGC
 CTCACCTATTGTGAGTTCAGAAGATCGTGGGCGTGGCCTCTTCCTTTGTATCCAGTACTAGGAGAGTA
 CTCACTGGACAGCTGTGATTTGGACTGCTTCCAGCCCTTGCTGGCGGCTGCCCGGAGTCTACTGGCAA
 AACGGACTCTCTCTGGAGTCCAGAGCACCTTGAACCAAGTACAGCGAAGCCCACTGAGTTCAGTTGGC
 CGGGGACACAGAAGCAGCAAGAGGCACCCGTAGAAGAGGTGGGGCAGGCAGAGGAACCCGACAGACTCAG
 GCTCCGGCAGCTTCCCTGGAGCAGTCTCTCCATCCCTGGGACAGACAGCAGGACACCGAGGTCTGTGAC
 AGCGGGTGCCTTTTGAACGCCGCCATCCTCTGCCCTCCAGCCGTGGCGCCACCTCCCGGGTTTCTCAG
 ACTGCCTGGAGTGGATTCTTCGCGTTGGTTTTGCCGCTTCTGTACTCTGGCGGTGCTGTTACACGGAT
 CTGTGGAGCTAAGCAGCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG209862 representing NM_001014279
 Red=Cloning site Green=Tags(s)

MEQHFLGCVKRAWDSA EVAPEPQPPPIVSSDRGPWPLPLYPVLGEYSLDSCDLGLLSSPCWRLPGVYWQ
 NGLSPGVQSTLEPSTAKPTEFSWPGTQKQQAPEVEVQQAEEPDRRLRLQLPWSSPLHPWDRQQDTEVCD
 SGCLLERRHPPALQPWRHLPGFSDCLEWILRVGFAAFSVLWACCSRICGAKQP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001014279

ORF Size: 579 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_001014279.1](#), [NP_001014301.1](#)

RefSeq Size: 1182 bp

RefSeq ORF: 582 bp

Locus ID: 389289

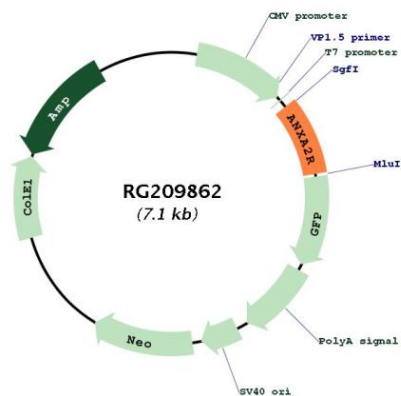
UniProt ID: [Q3ZCQ2](#)

Cytogenetics: 5p12

Protein Families: Druggable Genome

Gene Summary: May act as a receptor for annexin II on marrow stromal cells to induce osteoclast formation.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG209862