

Product datasheet for **RG206844**

AIG1 (NM_016108) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AIG1 (NM_016108) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: AIG1
Synonyms: AIG-1; dj95L4.1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG206844 representing NM_016108
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTTGCCCTGCCAGGTGCTGCGGATGGCAATCCTGCTGTCTTACTGCTCTATCCTGTGTAAC
ACAAGGCCATCGAAATGCCCTCACACCAGACCTACGGAGGGAGCTGGAATTCCTGACGTTCAATGATCT
GGTTATCCAGGCTGTCTTTTTGGCATCTGTGTGCTGACTGATCTTCCAGTCTTCTGACTCGAGGAAGT
GGGAACCAGGAGCAAGAGAGGCAGCTCAAGAAGCTCATCTCTCCGGGACTGGATGTTAGCTGTGTTGG
CCTTCTGTTGGGTTTTGTTGTAGCAGTGTCTGGATCATTATGCCTATGACAGAGAGATGATATA
CCGAAGCTGCTGGATAATTTATCCAGGGTGGCTGAATCACGGAATGCACACGACGGTCTGCCCTTT
ATATTAATCGAGATGAGGACATCGACCATCAGTATCCCAGCAGGAGCAGCGGACTTACCGCCATATGTA
CCTTCTGTTGGCTATATATTGGGTGTGCTGGGTGCATCATGTAACGGCATGTGGGTGTACCCCTT
CCTGGAACACATTGGCCAGGAGCCAGAATCATCTTCTTGGGTCTACAACCATCTTAATGAACTTCCTG
TACCTGCTGGGAGAAGTTCTGAACAATATCTGGGATACACAGAAAAGTATGGAAGAAGAGAAAAGAAA
AGCCTAAATTGGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206844 representing NM_016108
 Red=Cloning site Green=Tags(s)

MALVPCQVLRMAILLSYCSILCNKYKAIEMPSHQTYGGSWKFLTFIDLVIQAVFFGICVLTDLSSLLTRGS
 GNQEQRQLKKLISLRDWMLAVLAFPVGVFVVAVFWIIYAYDREMIYPKLLDNFIPGWLNHGMHTTVLPF
 ILIEMRTSHHQYPSRSSGLTAICTFSVGYILWVCWVHHVTGMWVYPFLEHIGPGARIIFFGSTTILMNFL
 YLLGEVLNNYIWDTKQSMEEEEKPKLE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016108

ORF Size: 714 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_016108.4](#)

RefSeq Size: 1385 bp

RefSeq ORF: 717 bp

Locus ID: 51390

UniProt ID: [Q9NVV5](#)

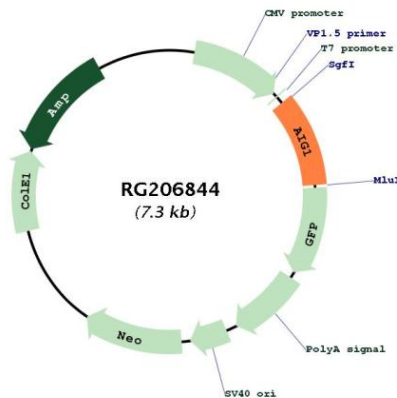
Cytogenetics: 6q24.2

Domains: Far-17a_AIG1

Protein Families: Transmembrane

Gene Summary: May play a role in androgen-regulated growth of hair follicles.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206844