

Product datasheet for **RC236727**

AIG1 (NM_001286587) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AIG1 (NM_001286587) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: AIG1
Synonyms: AIG-1; dj95L4.1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236727 representing NM_001286587
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAATCCTGCTGTCTTACTGCTCTATCCTGTGTAACAAGCCATCGAAATGCCCTCACACCAGA
CCTACGGAGGGAGCTGGAAATTCCTGACGTTTCATTGATCTGGTTATCCAGGCTGTCTTTTTGGCATCTG
TGTGCTGACTGATCTTTCCAGTCTTCTGACTCGAGGAAGTGGGAACCAGGAGCAAGAGAGGCAGCTCAAG
AAGCTCATCTCTCCGGGACTGGATGTTAGCTGTGTTGGCCTTCTGTGGGGTTTTGTGTAGCAG
TGTCTGGATCATTTATGCCTATGACAGAGAGATGATATACCCGAAGCTGCTGGATAATTTATCCAGG
GTGGCTGAATCACGGAATGCACACGACGGTTCTGCCCTTATATTAATCGAGATGAGGACATCGACCAT
CAGTATCCCAGCAGGAGCAGCGGACTTACCGCCATATGTACCTTCTGTGGCTATATATTATGGGTGT
GCTGGGTGCATCATGTAAGTGGCATGTGGGTGTACCCTTCTGGAACACATTGGCCCAGGAGCCAGAAT
CATCTTTTGGGTCTACAACCATCTTAATGAACCTCCTGTACCTGCTGGGAGAAGTTCTGAACAACTAT
ATCTGGGATACACAGAAAAGTATGGAAGAAGAGAAAAGAAAGCCTAAATTGGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC236727 representing NM_001286587
 Red=Cloning site Green=Tags(s)

MAILLSYCSILCNYKAIEMPSHQTYGGSWKFLTFIDLVIQAVFFGICVLTDLSSLLTRGSGNQEQERQLK
 KLISLRDWMLAVLAFPVGVFVVAVFWIIYAYDREMIYPKLLDNFIPGWLNHGMHTTVLPFILIEMRSSH
 QYPSRSSGLTAICTFSVGYILWVCWVHHVTGMWVYVYFLEHIGPGARIIFFGSTTILMNFLLYLLGEVLNLY
 IWDTQKSMEEEEKEPKLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

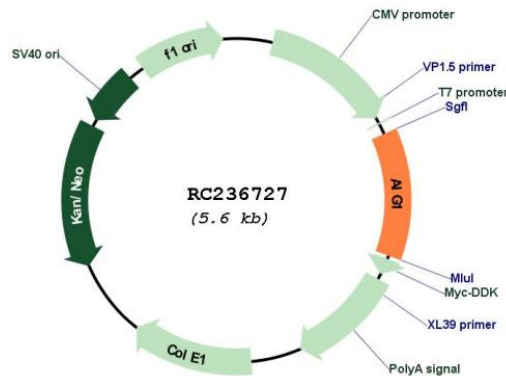
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286587

ORF Size: 684 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:	<ol style="list-style-type: none">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_001286587.1 , NP_001273516.1
RefSeq Size:	1422 bp
RefSeq ORF:	687 bp
Locus ID:	51390
UniProt ID:	Q9NVV5
Cytogenetics:	6q24.2
Protein Families:	Transmembrane
MW:	26.8 kDa
Gene Summary:	May play a role in androgen-regulated growth of hair follicles.[UniProtKB/Swiss-Prot Function]