

## Product datasheet for **SC334621**

### **AIG1 (NM\_001286587) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AIG1 (NM_001286587) Human Untagged Clone
Tag:	Tag Free
Symbol:	AIG1
Synonyms:	AIG-1; dj95L4.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001286587, the custom clone sequence may differ by one or more nucleotides

```
ATGGCAATCCTGCTGTCTTACTGCTCTATCCTGTGTAACATAAGGCCATCGAAATGCCCTCACACCAGA  
CCTACGGAGGGAGCTGGAAATTCCTGACGTTTCATTGATCTGGTTATCCAGGCTGTCTTTTTGGCATCTG  
TGTGCTGACTGATCTTCCAGTCTTCTGACTCGAGGAAGTGGGAACCAGGAGCAAGAGAGGCAGCTCAAG  
AAGCTCATCTCTCCGGGACTGGATGTTAGCTGTGTTGGCCTTCTGTTGGGTTTTTTGTTGTAGCAG  
TGTTCTGGATCATTTATGCCTATGACAGAGAGATGATATACCCGAAGCTGCTGGATAATTTATCCAGG  
GTGGCTGAATCACGGAATGCACACGACGGTTCTGCCCTTATATTAATCGAGATGAGGACATCGACCAT  
CAGTATCCAGCAGGAGCAGCGGACTTACCGCCATATGTACCTTCTCTGTTGGCTATATATTATGGGTGT  
GCTGGGTGCATCATGTAACCTGGCATGTGGGTGTACCCTTCTGGAACACATTGGCCAGGAGCCAGAAT  
CATCTTCTTTGGGTCTACAACCATCTTAATGAACTTCTGTACCTGCTGGGAGAAGTTCTGAACAACTAT  
ATCTGGGATACACAGAAAAGTATGGAAGAAGAGAAAAGAAAAGCCTAAATTGGAATGA
```

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001286587
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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\\_001286587.1](#), [NP\\_001273516.1](#)

**RefSeq Size:** 1422 bp

**RefSeq ORF:** 687 bp

**Locus ID:** 51390

**UniProt ID:** [Q9NWW5](#)

**Cytogenetics:** 6q24.2

**Protein Families:** Transmembrane

**Gene Summary:** May play a role in androgen-regulated growth of hair follicles.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) has alternate 5' exon structure and it thus differs in the 5' UTR and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a.