

Product datasheet for **MG224773**

Aig1 (NM_025446) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aig1 (NM_025446) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Aig1
Synonyms: 1500031O19Rik; AV064870; AW413422; CGI-103
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG224773 representing NM_025446
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTGTCCCCTGCCAGGTGCTGCGGGTAGCAATCCTGCTATCCTATTGCTCCATCCTGTGCAACT
ACAAGGCCATCGAAATGCCCTCGCATCAGACCTACGGAGGCAGCTGGAAGTTCCTGACCTTCATTGATCT
GGTTATCCAGGCCGTGTTCTTCGGCATCTGTGTGCTGACTGACCTCTCTAGTCTTCTGACCAGAGGCAGC
GGGAACCAGGAGCAAGAACGACAGCTCAGGAAGCTCATCTCTCCGGGACTGGACGCTGGCCGTGCTGG
CCTTCCCTGTGCGGGTTTTGTTGTTGCGGTGTTCTGGACCATCTATGCCTATGACAGAGAGATGATATA
CCCAAGATTGCTTGACAACCTTATCCCAGGGTGGCTGAACCATGGAATGCACACAACGGTTTTGCCCTTT
ATATTGATCGAGATGAGAACATCCCACCATCAGTATCCCAGCAGGAGCAGTGGACTCGCCGCCATATGCA
CCTTCTCCGTGGGCTATATATTGGGTGTGCTGGATACATCATGTCACCGGCATGTGGGTGTACCCCTT
CCTGGAACATATTGGCTCAGGAGCCAGGATCATCTTCTTTGGGTCAACAACCATCCTAATGAATTTCTG
TACCTGCTTGAGAAGTACTAACAGCTATATCTGGGATACACAGAGAACAAGGCTCCTTCTTGTCAAG
ACACCAATCTTCTCTAAGCTGTGCCAACCTGTCCAAAATCTATGTAAGATACATTATGCTGGAAGG
TGGGAAGGCGAGAGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224773 representing NM_025446
Red=Cloning site Green=Tags(s)

MALVPCQVLRVAILLSYCSILCNKYAIEMPHQTYGGSWKFLTFIDLVIQAVFFGICVLTDLSSLLTRGS
 GNQEQRQLRKLISLRDWTLAVLAFVGVFVAVFWTIYAYDREMIYPRLLDNFIPGWLNHGMHTTVLPP
 ILIEMRTSHHQYPSRSSGLAAICTFSVGYILWVCWIHHVTGMWVYPFLEHIGSGARIIFFGSTTILMNF
 YLLGEVLNSYIWDTQRKAPSCQDTQSSLSCAKPVQNLCKDTFMLEGGKARA

TRTRPLE - GFP Tag - V

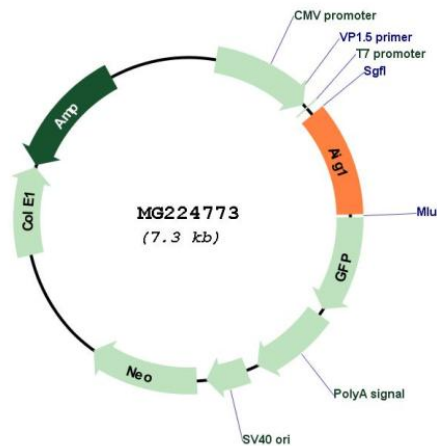
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_025446

ORF Size: 786 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_025446.4
RefSeq Size:	1054 bp
RefSeq ORF:	789 bp
Locus ID:	66253
UniProt ID:	Q9D8B1
Cytogenetics:	10 A2
Gene Summary:	May play a role in androgen-regulated growth of hair follicles.[UniProtKB/Swiss-Prot Function]