

Product datasheet for **MG216771**

A1bg (NM_001081067) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	A1bg (NM_001081067) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	A1bg
Synonyms:	C44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216771 representing NM_001081067
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTCTGCTGGCTACTGTACTGCTGCTCTGGGGTTCACTCTGGGCCAGGAAATACTCTAATGCTCG
 ATTCTGGCAGTGAACCTAACTATGGGCAGAGCCTCAGTCCCTGCTGGAACCTGGGCAAACCTGACCCCT
 GGTGTGTGCAGTTGATTTGCCGACTAAGGCTTCGAGCTGATCCAGAACGGGTGGTTCTGAGTCAAGTC
 CGACTTGAGACACAGGTGCTGCATACCGCTTTTCCCTGGGGGCCATTACAAGTAACAACAGTGGCATCT
 ACCGCTGCAGATGTGGCGTGGAAACCCCTGTTGACATTACCTGCCAGCACTGAACAAGTGGACCATGCT
 AAGCAATGCTGTGGAGGTGACAGGGAAAGGCCCTTGCTCGGCCCTGGCTCATGCTGATCCAGTCGAC
 TGGATCACACCTGGTGGCTGCCTGTATACGTGATGTGCCAGGTGCAATGCGGGGTGTGACCTACCTGC
 TGAGGCAGGAAGGAGTGGATGGCGTCCAGAAACCTGATGTCCAGCACAAGGGAACAGCTGGCTTTTAAAT
 CTACAAGCTGGCAACTACAGCTGCAGTACCTAACCCATGCAGCAGGTGAACCCCTGAGCCCAGTGAT
 ATTGTGACCATCAAGATGTATGCCTCACAGGCTCCACCCACTCTGTGTTGATGGGAAACTACCTAATGA
 TCTACCCCGAGAAGACATATGAGACCTTGCTGCAAAGCTCCTCGGAATGCAGCTGAATCCAACCTCAG
 GCAAGGAGGGAAGGTGCTGAAAATTCATGGGTTTAGCCCCACAGAGATGCTATCCTGTACTATGTGAAC
 TTGAAGGAACTGGATAACCCAGGTCCTTTCACCTGCCGCTACCGGATGCACAAATACATGCACGTTTGGT
 CAGAGGACAGCAAGCCCGTAGAGTTAATGTGGAGTGTGAGACTACAAGCTCCGGTACTTACTGCAGA
 GCCATCGAGTAGGGACCTTGAGCCTGGTCAACGGTGCAGCTTCGATGTACTGCACCCGATCCGGCCTG
 CGCTTTGGCCTGCAACGCCAGGGCAAACCGGAATTAGTTGTGGTGCAAATGCTGAATTCGCTGGGACCG
 AAGCAGCTTTGAGCTGCACAATATCTCAACAATAGACTCTGAAACTACAGCTGTATCTACATGGAAAG
 GGCACCGCCATTCTCAGGATCTTCTTCCAGTGAGCCCGTGGAGCTGCGGGTGAATGGGCCACCACCAAG
 CCAAGGCTGGAAGCTCTGTGAAAAGCACAGTACATCTGGGTGAGGAAGCCATCTTTCGATGCCACGGCC
 ATGTGCCTAGGGTCAAGTGGAGCTGGTACGTGAGGGCTTTAAAACACCCCTTCGCGGTGGCCTCCACAAG
 AAGCACCTCAGCTTACCTGAAGCTGCTCTTCGTCGGTCCCAACATGCAGGCAACTACAGCTGCCGCTAT
 ACGGCCCTGCCGCCCTTACATTTGAATCAGGGATCAGCGACCCTGTGGAGGTTATAGTAGAAGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216771 representing NM_001081067
 Red=Cloning site Green=Tags(s)

MSLLATVLLLVGFTLPGNLTMLDSGSEPKLWAEQSLLEPWANLTLVCAVDLPTKVFELIQNGWFLSQV
 RLETQVLSYRFSLGAITSNNSGIYRCRCGVEPPVDIHLPALNKWTMLSNAVEVTGKEPLRPLAHADPVD
 WITPGLPVYVMCQVAMRGVTYLLRQEGVDGVQKPDVQHKGTAGFLIYKPGNYSCSYLTHAAGEPSEPSD
 IVTIKMYASQAPPTLCLMGNLYMIYPQKTYETLACKAPRNAAEFQLRQGGKVLKIHGFSPTRDAILYVYN
 LKELDNPFPFTCRYRMHKYMHVWSEDSKPVLMWSEDTLQAPVLTAEPSRDLEPGSTVQLRCTAPVSGL
 RFGLQRQGPPELVVYQMLNSSGTEAVFELHNIISTIDSGNYSCIYMEQAPPFSGSSSEPVELRVNGPPP
 PRLEALWKSTVHLGQEAIFRCHGHVPRVSMELVREGFKTPFAVASTRSTSAYLKLFLVGPQHAGNYSCRY
 TALPPFTFESGISDPVEVIVEG

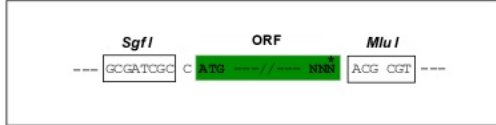
TRTRPLE - GFP Tag - V

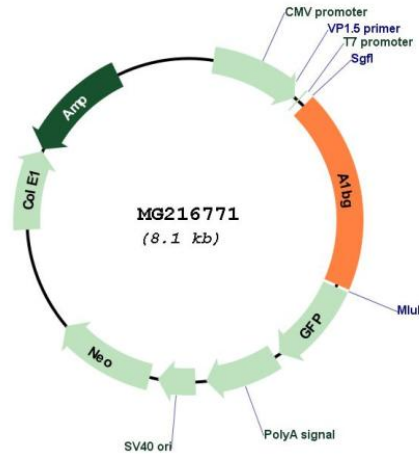
Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_001081067

ORF Size: 1536 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_001081067.1](#), [NP_001074536.1](#)

RefSeq Size: 1823 bp

RefSeq ORF: 1539 bp

Locus ID: 117586

UniProt ID: [Q19LI2](#)

Cytogenetics: 15 D1