

Product datasheet for **MR216771**

A1bg (NM_001081067) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	A1bg (NM_001081067) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	A1bg
Synonyms:	C44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR216771 representing NM_001081067
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTCTGCTGGCTACTGTACTGCTGCTCTGGGGTTCACTCTGGGCCAGGAAATACTCTAATGCTCG
 ATTCTGGCAGTGAACCTAACTATGGGCAGAGCCTCAGTCCCTGCTGGAACCTGGGCAAACCTGACCCCT
 GGTGTGTGCAGTTGATTTGCCGACTAAGGTCCTCGAGCTGATCCAGAACGGGTGGTTCTGAGTCAAGTC
 CGACTTGAGACACAGGTGCTGCATACCGCTTTTCCCTGGGGGCCATTACAAGTAACAACAGTGGCATCT
 ACCGCTGCAGATGTGGCGTGAACCCCTGTTGACATTACCTGCCAGCACTGAACAAGTGGACCATGCT
 AAGCAATGCTGTGGAGGTGACAGGAAAGAGCCCTTGCTCGGCCCTGGCTCATGCTGATCCAGTCGAC
 TGGATCACACCTGGTGGCTGCCTGTATACGTGATGTGCCAGGTGCAATGCGGGGTGTGACCTACCTGC
 TGAGGCAGGAAGGAGTGGATGGCGTCCAGAAACCTGATGTCCAGCACAAGGGAACAGCTGGCTTTTAA
 CTACAAGCTGGCAACTACAGCTGCAGTACCTAACCCATGCAGCAGGTGAACCTCTGAGCCCAGTGAT
 ATTGTGACCATCAAGATGTATGCCTCACAGGCTCCACCCACTCTGTGTTGATGGGAAACTACCTAATGA
 TCTACCCCGAGAAGACATATGAGACCTTGCTGCAAAGCTCCTCGGAATGCAGCTGAATCCAACCTCAG
 GCAAGGAGGGAAGGTGCTGAAAATTCATGGGTTTAGCCCCACAGAGATGCTATCCTGTACTATGTGAAC
 TTGAAGGAACTGGATAAACCAGGTCTTTACCTGCCGCTACCGGATGCACAAATACATGCACGTTTGGT
 CAGAGGACAGCAAGCCGTAGAGTTAATGTGGAGTGATGAGACTACAAGCTCCGGTACTTACTGCAGA
 GCCATCGAGTAGGACCTTGAGCCTGGTCAACGGTGCAGCTTCGATGTACTGCACCCGATCCGGCCTG
 CGCTTTGGCCTGCAACGCCAGGGCAAACCGGAATTAGTTGTGGTGCAAATGCTGAATTCGCTGGGACCG
 AAGCAGCTTTGAGCTGCACAATATCTCAACAATAGACTCTGAAACTACAGCTGTATCTACATGGAACA
 GGCACCGCCATTCTCAGGATCTTCTCCAGTGAGCCCGTGGAGCTGCGGGTGAATGGGCCACCACCAAG
 CCAAGGCTGGAAGCTCTGTGAAAAGCACAGTACATCTGGGTGAGGAAGCCATCTTTCGATGCCACGGCC
 ATGTGCCTAGGGTCAAGTGGAGCTGGTACGTGAGGGCTTTAAAACACCTTCGCGGTGGCCTCCACAAG
 AAGCACCTCAGCTTACCTGAAGCTGCTCTTCGTCGGTCCCAACATGCAGGCAACTACAGCTGCCGCTAT
 ACGGCCCTGCCGCCCTTACATTTGAATCAGGGATCAGCGACCCTGTGGAGGTTATAGTAGAAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216771 representing NM_001081067
 Red=Cloning site Green=Tags(s)

MSLLATVLLWLFGLPGNTLMLDSGSEPKLWAE PQSLLEPWANLTLVCAVDLPTKVFELIQNGWFLSQV
 RLETQVLSYRFLGAI TSNNNGIYRCRCGVEPPVDIHLPALNKWML SNAVEVTGKEPLPRPLAHADPVD
 WITPGLPVYVMCQVAMRGVTYLLRQEGVDGVQKPDVQHKGTAGFLIYKPGNYSCSYLTHAAGEPSEPSD
 IVTIKMYASQAPPTLCLMGNLMIYPQKTYETLACKAPR NAAEFQLRQGGKVLKIHGFSPTRDAILYVFN
 LKELDNP GPFTCRYRMHKYMHVWSEDSKPVLMWSD ETLQAPVLTAEPSRDLEPGSTVQLRCTAPVSGL
 RFG LRQKPELVVVQMLNSSGTEAVFELHNI STIDSGNYSCIYMEQAPPFSGSSSEPVELRVNGPPP
 PRLEALWKSTVHLGQEAIFRCHGHVPRVSMELVREGFKTPFAVASTRSTSAYLKL L FVGPQHAGNYSCRY
 TALPPFTFESGISDPVEVIVEG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9006_d10.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


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

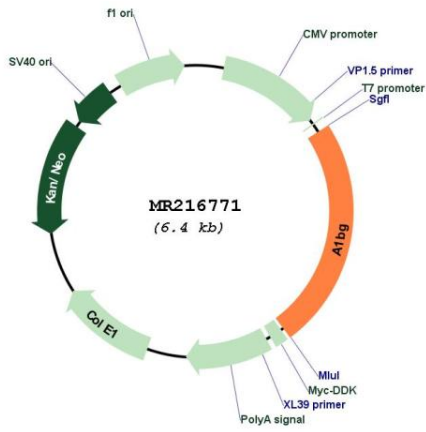
Locus ID: 117586

UniProt ID: [Q19LI2](#)

Cytogenetics: 15 D1

MW: 57 kDa

Product images:



Circular map for MR216771