

Product datasheet for **RR206712**

A1bg (NM_022258) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	A1bg (NM_022258) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	A1bg
Synonyms:	C44
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR206712 representing NM_022258
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTCTGTTGACTACTGTACTACTTCTCTGGGTTTCACTCTGGGCCAGGAAATGCTCTTTGGCTTA
 ATTCTGGCAGTGAACCTGAACACTACGGGCAGAGCCTCAATCCTTGCTGGAACCTGGGCAAACCTCACACT
 GGTCTGGCAGTTGATTTGCCTACCAAGGCTTCGAGCTGATCATGAATGGGTGGTTCTGAGTCAAGTC
 CGACTGGAGACACCGGTGTTGTATATCGCTTTTCCCTGGGGGCCATTACAAGTAACAACAGTGGCGTCT
 ACCGCTGCCGATGTGGCGTGAACCCCCCTGTTGACATTCAACTGCCAGCGCTGAGCAAGTGGACAATGCT
 AAGCAATGCTTTGGAGGTGACAGGAAAGAGCCCTTGCTCCACCCTCAGCTCACGCTGATCCAGCTCC
 TGGATCACACCTGGTGGCTGCCTGTCTACATCATGTCCGGGTGCCATGCGAGGTGAACCTACCTGC
 TGAGGAAGGAAGGGTGGATGGTACCCAGAAACCTGATGTCCAGCACAAGGGAACGGCTGGCTTTCTAAT
 CTACAAGCTGGTAACTACAGCTGCAGTACCTAACCCATGCAGGAGGCCAACCTCTGAGCCCAGTGCT
 ATTGTGACCATCAAGATGTCTGCCACACAGCTTCCACCAGTCTGTGTTAATGGGAAGTTACCTAACGA
 TCTACCCCGAGAAGACACATGAGACGCTTGCTTGCAAAGCTCCTCGGAATGCAGCCGAATCCAACCTCAG
 ACAAGGAGAGAGGGTGTGAATATTCAAGGGTTCAGCCCCACAGAGATGCTACCATATACTATGTGAAC
 TTGAAGGAACTGGATAACCAAAGTCTTTTACCTGCCGTACCGTATGCACAAATACATGCATGTTTGGT
 CGGAGGACAGCAAGCCGTAGAGCTGATGTGGAGTGACGAGAACTACCAGCCCCGTTACTACTGCAGA
 GCCATCAAGTCACAACCTGGAGCCTGGTTCAACAGTGCAGCTTCGATGTACTGCACAAAGGCTGGCCTG
 CGCTTTGGCCTGCAACGCCAGGGCAAACCAGATTTAGTTGTGGTGCAGATGCTGAATTCGCTGGGACCG
 AAGCTGTCTTTGAGCTGCACAATATCTCAACAATCGACTCTGGCAACTACAGTTGATCTACATGGAACG
 AGCACCACCTTCTCAGGATCTGCTTCCAGTGAGCCCTTAGAGCTGCGGATAAATGGGCCAGCACCCAAG
 CCAAGGCTGGAAGCTCTGTGAAAGGCAAGGTTCTCTGGCCATGAAGCCATCTTTCAATGCCATGGCC
 ATGTGCCCAGGGTCAAGTGGAGCTGGTACGTGAGGGCTTTAAAACACCTTCTGGATGGCTTCAACAAC
 AAGCACCTCAGCTTTTCTGAAGCTGTCTTCGTCGGTCCCAACATACAGGCAACTACAGCTGCCGCTAT
 ACTGCCCTGTACCCTTACATTTGAATCAGGGATCAGTGACCCTGTGGAAGTTGTAGTAGAAGGTAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

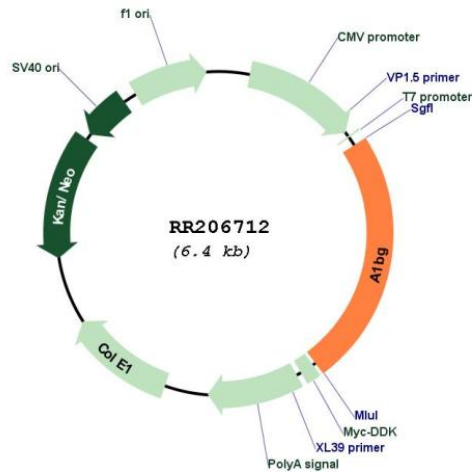
>RR206712 representing NM_022258
 Red=Cloning site Green=Tags(s)

MSLLTTVLLWGFLLGPGNALWLNSEPELRAEPQSLLEPWANLTLVCAVDLPTKVFELIMNGWFLSQV
 RLETPVLSYRFLGAISSNNSGVYRCRCGVEPPVDIQLPALSKWMLSNALEVTGKEPLPPPSAHADPVS
 WITPGGLPVYIMCRVAMRGVTYLLRKEGVDGTQKPDVQHKGTAGFLIYKPGNYSYSLTHAGGEPSEPSA
 IVTIKMSATQLPPSLCLMGSYLTIIYPQKTHELACKAPRNAAEFQLRQGERVNLNIQGFSPTRDATIYYVN
 LKELDNQSPFTCRYRMHKYMHVWSEDSKPVELMWSDEKLPAPVLTAEPSHNLEPGSTVQLRCTAHKAGL
 RFGLQRQKPDLVVVQMLNMSGTEAVFELHNISTIDSGNYSYIYMEQAPPFSGSASSEPLELRINGPAPK
 PRLREALWKGKVPGLGHEAIFQCHGHVPRVSMELVREGFKTPFWMASSTSTSAFLKLSFVGPQHTGNYSERY
 TALSPFTFESGISDPVEVVVEGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Plasmid Map:


ACCN: NM_022258

ORF Size: 1539 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_022258.2 , NP_071594.2
RefSeq Size:	1716 bp
RefSeq ORF:	1542 bp
Locus ID:	140656
UniProt ID:	Q9EPH1
Cytogenetics:	7q33
MW:	56.5 kDa
Gene Summary:	may have a role in the immediate-early response phase of liver regeneration [RGD, Feb 2006]