

Product datasheet for **RG221406**

A1BG (NM_130786) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	A1BG (NM_130786) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	A1BG
Synonyms:	A1B; ABG; GAB; HYST2477
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG221406 representing NM_130786
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCATGCTCGTGGTCTTTCTCTTGCTGTGGGGTGTACCTGGGGCCAGTGACAGAAGCAGCCATAT
 TTTATGAGACGCAGCCAGCCTGTGGGCAGAGTCCGAATCACTGCTGAAACCTTGGCCAATGTGACGCT
 GACGTGCCAGGCCACCTGGAGACTCCAGACTTCCAGCTGTTCAAGAATGGGGTGGCCAGGAGCCTGTG
 CACCTTGACTCACCTGCCATCAAGCACCAGTTCCTGCTGACGGGTGACACCCAGGGCCGCTACCGTGCC
 GCTCGGGCTTGTCCACAGGATGGACCCAGCTGAGCAAGCTCCTGGAGCTGACAGGGCCAAAGTCCTTGCC
 TGCTCCCTGGCTCTCGATGGCGCCAGTGTCTGGATCACCCCGGCTGAAAACAACAGCAGTGTGCCGA
 GGTGTGCTGCGGGGTGTACTTTCTGCTGAGGCGGGAGGGCGACCATGAGTTTCTGGAGGTGCCTGAGG
 CCCAGGAGGATGTGGAGGCCACCTTCCAGTCCATCAGCCTGGCAACTACAGCTGCAGCTACCGGACCGA
 TGGGGAAGGCGCCCTCTCTGAGCCAGCGCTACTGTGACCATTGAGGAGCTCGCTGCACCACCACCGCT
 GTGCTGATGCACCATGGAGAGTCCCTCCAGTCCCTGCACCCTGGCAACAAGGTGACCCTCACCTGCGTGG
 CTCCCCTGAGTGGAGTGGACTTCCAGCTACGGCGCGGGGAGAAAGAGTCTGCTGGTACCCAGGAGCAGCAC
 CAGCCCAGATCGCATCTTCTTTCACCTGAACGCGGTGGCCCTGGGGGATGGAGGTCACTACACCTGCCGC
 TACCGGCTGCATGACAACCAAAACGGCTGGTCCGGGGACAGCGCGCCGGTTCGAGCTGATTCTGAGCGATG
 AGACGCTGCCCGCGCGGAGTTCTCCCCGGAGCCGAGTCCGGCAGGGCCTTGGCGTGCCTGCTGCG
 GCCCTGGAGGGCGCGCTTCCCGTGGTGGCGAGGACAGGGCGGGCGCCGCTGCACCGTTCCAG
 AGCCCCGCTGGGACCGAGCGCTTTCGAGCTGCACAACATTTCCGTGGTACTCCGCCAACTACAGT
 CGCTCTACGTGGACCTGAAGCCGCTTTCGGGGCTCCGCGCCAGCGAGCGCTTGGAGTGCACGTGGA
 CGGACCCCTCCAGGCCTCAGCTCCGGGCGAGTGGAGTGGGGCGGTCTGGCGGGCCGAGATGCCGTC
 CTGCGCTGCGAGGACCCATCCCGACGTACCTTTCGAGCTGCTGCGGAGGGCGAGACGAAGGCCGTGA
 AGACGGTCCGACCCCGGGGCGCGGCAACCTCGAGCTGATCTTCGTGGGGCCCCAGCAGCCGGCAA
 CTACAGGTGCCGCTACCGCTCCTGGGTGCCCCACACCTTCAATCGGAGCTCAGCGACCCTGTGGAGCTC
 CTGGTGGCAGAAAGC

ACGCGTACGCGGGCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

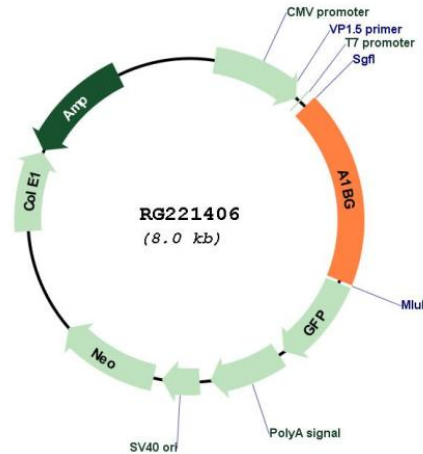
>RG221406 representing NM_130786
 Red=Cloning site Green=Tags(s)

MSMLVVFLLWVTPVTEAAIFYETQPSLWAESESLKPLANVLTLCQAHLETPDFQLFKNGVAQEPV
 HLDSPAIAKHQFLLTGDTQGRYRCSGLSTGWTQLSKLLELTGPKSLPAPWLSMAPVSWITPGLKTTAVCR
 GVLRGVTFLLRREGDHEFLEVPEAQEDVEATFPVHQPGNYSYRTDGEALSEPSATVIEELAAPPPP
 VLMHGESQVLPVGNKVTLCVAPLSGVDFQLRRGEKELLVPRSTSPDRIFHLNAVALGDGGHYTCR
 YRLHDNQNGSGDSAPVELILSDETLPAPEFSPEPESGRALRLRCLAPLEGARFALVREDRGRRVHRFQ
 SPAGTEALFELHNI SVADSANYSCVYVDLKPFFGGSAPSERLELHVDGPPPRPQLRATWSGAVLAGRDAV
 LRCEGPIPDVTFELLREGETKAVKTVRTPGAAANLELIFVGPQHAGNYRCRYSWVPHTFESELSDPVEL
 LVAES

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Plasmid Map:


ACCN: NM_130786

ORF Size: 1485 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_130786.4
RefSeq Size:	3386 bp
RefSeq ORF:	1488 bp
Locus ID:	1
UniProt ID:	P04217
Cytogenetics:	19q13.43
Domains:	ig, IGc2, IG
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
Gene Summary:	The protein encoded by this gene is a plasma glycoprotein of unknown function. The protein shows sequence similarity to the variable regions of some immunoglobulin supergene family member proteins. [provided by RefSeq, Jul 2008]