

Product datasheet for **MG209376**

Alb (NM_009654) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alb (NM_009654) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Alb
Synonyms:	Al; Alb-1; Alb1; BCL002
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209376 representing NM_009654
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGTGGGTAACCTTTCTCCTCCTCTTCGTCCTCCGGCTCTGCTTTTTCCAGGGGTGTGTTTCGCC
 GAGAAGCACACAAGAGTGAGATCGCCATCGGTATAATGATTTGGGAGAACAACATTTCAAAGGCCTAGT
 CCTGATTGCCTTTTCCAGTATCTCCAGAAATGCTCATACGATGAGCATGCCAAATTAGTGCAGGAAGTA
 ACAGACTTTGCAAAGACGTGTGTGCCGATGAGTCTGCCGCAACTGTGACAAATCCCTTACACTCTTT
 TTGGAGATAAGTTGTGTGCCATTCAAACCTCCGTGAAAATAAGTGAAGTGGTGAAGTGGTACTGCTGTACAAA
 ACAAGAGCCCGAAAGAAACGAATGTTTCTGCAACACAAAGATGACAACCCAGCCTGCCACCATTTGAA
 AGGCCAGAGGCTGAGGCCATGTGCACCTCTTTAAGGAAAACCAACCTTTATGGGACACTATTTGC
 ATGAAGTTGCCAGAAGACATCCTATTTCTATGCCCCAGAACTCTTTACTATGCTGAGCAGTACAATGA
 GATTCTGACCCAGTGTGTGCAGAGGCTGACAAGGAAAGCTGCCGACCCGAAGCTTGATGGTGTGAAG
 GAGAAAGCATTGGTCTCATCTGTCCGTCAGAGAATGAAGTGTCCAGTATGCAGAAGTTTGAGAGAGAG
 CTTTTAAAGCATGGGCAGTAGCTCGTCTGAGCCAGACATTCCTCAATGCTGACTTTGCAGAAATACCAA
 ATTTGGCAACAGACCTGACCAAAGTCAACAAGGAGTGTGCCATGGTGACCTGCTGGAATGCGCAGATGAC
 AGGGCGGAACTTGCCAAGTACATGTGTGAAAACAGGGCGACTATCTCCAGCAAATGCAGACTTGTCTGCC
 ATAAACCACTGTTGAAGAAAGCCCACTGTCTTAGTGAGGTGGAGCATGACACCATGCCTGCTGATCTGCC
 TGCCATTGCTGCTGATTTGTTGAGGACCAGGAAGTGTCAAGAAGTATGCTGAGGCCAAGGATGTCTTC
 CTGGGCACGTTCTTGATGAATATTCAAGAAGACACCTGATTACTCTGTATCCCTGTTGCTGAGACTGT
 CTAAGAAATATGAAGCCACTCTGAAAAGTGTCTGCGCTGAAGCCAACTCTCCCGCATGCTACGGCACAGT
 GCTTGCTGAATTTACGCCTCTTGTAAGAAGCCTAAGAAGTGGTCAAACCAACTGTGATCTTTACGAG
 AAGCTTGAGAATATGGATTCCAAAATGCCATTCTAGTTCGCTACACCCAGAAAGCACCTCAGGTGTCAA
 CCCCAACTCTCGTGGAGGCTGCAAGAAACCTAGGAAGAGTGGGCACCAAGTGTGTACACTTCTGAAGA
 TCAGAGACTGCCTTGTGTGAAGACTATCTGTCTGCAATCCTGAACCGTGTGTCTGCTGCATGAGAAG
 ACCCCAGTGAGTGAACATATGTCCCAAAGAGTTAAAGCTGAGACCTTACCTTCCACTCTGATAT
 CTGACACTTCCAGAGAAGGAGAAGCAGATTAAGAAACAACGGCTCTTGCTGAGCTGGTGAAGCACAAG
 CCCAAGGCTACAGCGGAGCAACTGAAGACTGTCATGGATGACTTGCACAGTTCTGGATACATGTTGCA
 AGGCTGCTGACAAGGACACCTGCTTCTCGACTGAGGGTCAAACCTTGTCACTAGATGCAAAGACGCCTT
 AGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209376 representing NM_009654
 Red=Cloning site Green=Tags(s)

MKWVTFLLLLFVSGSAFSGVFRREAHKSEIAHRYNDLGEQHFKGLVLIASFQYLQKCSYDEHAKLVQEV
 TDFAKTVADESAANCDKSLHTLFGDKLCAIPNLRENYGELADCCTKQEPERNECFQHKDDNPSLPPFE
 RPEAEAMCTSFKENPTTFMGHYLHEVARRHPYFYAPELLYYAEQYNEILTQCCAEADKESCLTPKLDGVK
 EKALVSSVRQRMKCSSMQKFGERAFAKAWAVARLSQTFPNADFAEITKLATDLTKVNKECCHGDLLCADD
 RAELAKYMCENQATISSKLQCCDKPLKKAHCLSEVEHDTMPADLPAIAADFVEDQEVCKNYAEAKDVF
 LGTFLYEYSRRHPDYSVSLLLRLAKKYEATLEKCCAEANPPACYGTVLAEFQPLVEEPKNLVKTNCDLYE
 KLGEYGFQNAILVRYTQKAPQVSTPTLVEAARNLGRVGTCCCTLPEDQRLPCVEDYLSAILNRVCLLHEK
 TPVSEHVTKCCSGSLVERRPCFSALTVDETYVPKEFKAETFTFHSDICTLPEKEKQIKKQTLAELVKHK
 PKATAEQLKTMDDFAQFLDTCCAADKDTCFSTEGPNLVTRCKDALA

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_009654

ORF Size: 1824 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_009654.4](#)

RefSeq Size: 2030 bp

RefSeq ORF: 1827 bp

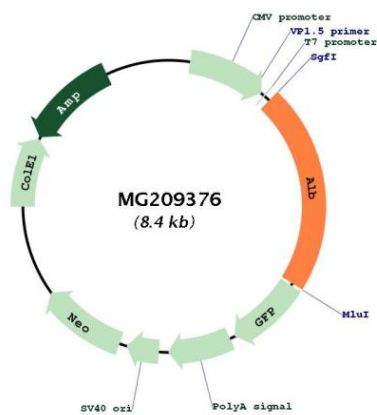
Locus ID: 11657

UniProt ID: [P07724](#)

Cytogenetics: 5 44.7 cM

Gene Summary: This gene encodes albumin, an abundant plasma protein essential for maintaining oncotic pressure that functions as a carrier protein for various molecules such as steroids and fatty acids in blood. This gene is primarily expressed in liver where the encoded protein undergoes proteolytic processing before secretion into the plasma. [provided by RefSeq, Oct 2015]

Product images:



Circular map for MG209376