

Product datasheet for **MG216325**

Allc (NM_053156) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Allc (NM_053156) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Allc
Synonyms: 1700012B22Rik; Alc
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG216325 representing NM_053156
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGATACTCCAAGGAGGGAAAAGTACCAGATTCTGGACTTCACGCAGCTGATTGATTTGGCCT
 CTGAGTGCCTGGGAGGAAAGTTTTGTTGCGACGGATGACTTTTTCGGTCTGCAGAGAATCTCATAAA
 GAGCGACAGTCCAACCTTTAAGGAACATGAATACACTGAGTTGGCAAATGGGTGGATGGATGGGAGACC
 AGACGTAAGCGAATCCAGGTCATGACTGGTGTGTCATCCAAGTGGGATACAGGGCATTATTCGTGTA
 TCGACGTGGACATTTCTACTTCTCAGGAACCATGCTCCTCGCATGTCAATCCAAGCAGCGAACCTGAG
 TGAAGAAGATAACAATGTCAAACATCCCACCAAGGGGAGTTAGGATGGGAACTGCAGCGACGCTGAGGAG
 TTTGAAGCCGTTACTGAGCTGAAATCACACTCCTGGGATTACCTGGTTCCCATGTCCGAGCTTAAGCTAG
 GGGACCCTGACTCCAGCCACAACATTATTTTGTAAATCCCAGCAGAGATGGACTCATATAAGACTCAA
 CATCTTCCAGATGGTGGTGTGGCAGCCTTCGAGTATACGGCACTGGACAGAGGGACTGGGCTGCATTG
 GGTTCCACAGAACCTGTAGACCTGGTAGCCATTGCTTTGGGGTGTCTGTGTGGATTTAGTAATGCAC
 ACTTTGGACATCCAATAATATGATAGGTGTCCGTGAACCAAGTCCATAGCAGATGGTTGGGAACTGC
 AAGAAGACTGGACAGACCCCGGTGTTAGAAGCTAGTGAAGTGGCCTTCTCCTGGTCCCGGTTGTGAG
 TGGCAGTGTCCGATTGGCACATCCTGGAGTCATCACTCAAATGAAATTGATACGAAGTACTTTAAAG
 GCAACTGTCCCAACAGCTGCAAAGTGGATGGGTGCATCCTGACCACACTGGAAGAGGAAGACATGATCAG
 GCATAATTGGAATCTTCTGCCATAAGTGAAGTCGTTGCTTCCAGTACCAAGCTAATTTCCAAACCAA
 AATCACTTGTGGACAGCCTGACCCTGGAGCTCAGGATGTCATCACTCATGCCATGATTACCATTGCC
 CTGATGGCGGTGTAGCCGCTTCGGCTCAAGGTTTCCCTAGTTCATCTGTTTGTGCGGCCCTCCG
 GGAGAAGCCCTTGTGCGTTCTCTCTTAAAACGGGATTCAGGGCGAACCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216325 representing NM_053156
Red=Cloning site Green=Tags(s)

MADTPKEGKLTRFLDFTQLIDLASECVGGKVL FATDDFFGPAENLIKSDSPTFKEHEYTEFGKWVDGWET
 RRRKRI PGHDWCVIQLGIQGIIRGIDVDISYFSGNHAPRMSIQAANLSEEDTMSNIPPRGVRMGTAATPEE
 FEAVTELKSHSWDYLVPMSELKLGDPDSSHNYFVNSQQRWTHIRLNIFPDGGVARLRVYGTGQRDWAAL
 GSTEPVDLVAIAFGGVCVGFSAHF GHPNMMIGVGEPKSIADGWETARRLDRPPVLEASENGLLLVPGCE
 WAVFRLAHPGVI TQIEIDTKYFKGNCPNSCKVDGCILT TLEEEDMIRHNWNLPAHKWKSLLPVTKLIPNQ
 NHLLDSL TLELQDVITHAMIT IAPDGGVSRRLR LKGFSSICLLRPLREKPLLRFS LKTGFRANL

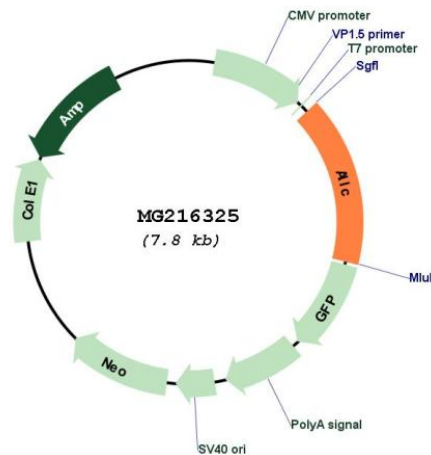
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053156

ORF Size:	1242 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_053156.1
RefSeq Size:	1460 bp
RefSeq ORF:	1245 bp
Locus ID:	94041
UniProt ID:	Q9JHX6
Cytogenetics:	12 10.97 cM
Gene Summary:	The function of this enzyme is unclear as allantoicase activity is not known to exist in mammals.[UniProtKB/Swiss-Prot Function]