

Product datasheet for **RG214042**

AGAPII (NM_133447) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	AGAPII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG214042 representing NM_133447
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACAATAATATCTGTGACCTTGGAGATACATCATCATATCACGGAAGAGATGCAGATAGATCTTTGA
 CCATACTTGATGAACAGTTATACTCATTTGCGTTTTCCACCGTGCACATTACGAAGAAAAGAAATGGAGG
 TGGGAGTTTAAATAACTATTCTCTCCATTCCATTGACTCCCAGCACCAGCCAGGAGGACCTTTATTTTC
 AGTGTCTCTCCACTGCCAACACACCCACGCCCATTTGCAAGCAGTCCATGGGCTGGTCCAACTGTTTA
 CATCTGAGAAAGGAGTGACCCAGACAAAGGGAGGAAAGCCCTGGAGAGTCACGCTGACACCATCGGGAG
 CGGCAGAGCCATCCCATTAAACAGGGCATGCTCTTAAAGCGAAGTGGGAAATGGCTGAAGACATGGAAA
 AAGAAATATGTACCCCTGTGTTCCAATGGCGTGCTCACCTATTATTCAAGCTTAGGTGATTATATGAAGA
 ATATTCATAAAAAAGAGATTGACCTTCGGACATCTACCATCAAAGTCCCAGGAAAGTGGCCATCCCTAGC
 CACATCGGCTGCGACCCATCTCCAGCTCTAAAAGCAATGGCCTATCCAAGGACATGGAAGCTCTGCAT
 ATGTACGCCAATTGACATCGGGCTGGGTGACTCCATATGCTTCAGCCCAGTATCTCCAGCACCACCA
 GCCCCAAGCTCAACCTGCCCCCTCCCTCATGCCAATAAAAAGAAACACCTAAAGAAGAAAAGCACAA
 CAACCTAAAAGATGATGGCTGTCCAGCACTGCTGAGGAAGAAGAAGAAAGTTTATGATTGTGTCGCTC
 ACTGGCCAAACGTGCCACTTTAAAGCCACGACGTATGAGGAGCGGGATGCCTGGGTCCAAGCCATCCAGA
 GCCAGATCCTGGCCAGCCTGCAGTCATGCGAGAGCAGTAAAAGCAAAGTCCCAGCTGACCAGCCAGAGTGA
 GGCCATGGCCCTGCAGTCGATCCAAAACATGCGTGGGAACCTCCACTGCGTGGACTGTGAGACCCAGAAT
 CCTAAGTGGCCAGTTTGAACCTGGGAGTCTCATGTATTGAATGTTGAGGAATCCACCGCAGTCTTG
 GCACCCGCCTTTCCCGTGTGCGATCTCTGGAGCTGGATGACTGGCCAGTTGAGCTCAGGAAGTTATGTC
 ATCTATTGGCAATGACCTAGCCAACAGCATCTGGGAAGGGAGCAGCCAGGGGCAGACGAAACCTCAATA
 GAGTCAACGAGGGAAGAGAAGGAACGGTGGATCCGTTCCAAATATGAGCATAAGCTCTTTCTGGCCCCAC
 TACCTGCACTGAGCTGTCCCTGGGCCAGACCTGCTGCGGCCACCGCTGATGAGGACCTGCGGACAGC
 CATCTGTCTGCTGGCAGATGGCTCCCGTGGGAGGTGAACGAGACCTGTGGGAGGGAGACGGCTGCACG
 GCGCTCCATCTGGCTGCGCAAGGGGAATGTGGTCTGCGCAGCTCCTGATCTGGTACGGGGTGGACG
 TCATGGCCCGAGATGCCACGGGAACACAGCGCTGACCTACGCCCGGCAGGCTCCAGCCAGGAGTGCAT
 CAACGTGCTTCTGCAGTACGGCTGCCCCGACGAGTGCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214042 representing NM_133447
 Red=Cloning site Green=Tags(s)

MTIISVTLEIHHHITERDADRLTILDEQLYSFAFSTVHITKKRNGGSLNNYSSSIPLTPSTSQEDLYF
 SVPPTANTPTPICKQSMGWSNLFTEKGSDDPKGRKALESHADTIGSGRAIPIKQGMILLKRSKWLKTKW
 KKYVTLCSNGLVYYSSLGDYMKNIHKKEIDLRTSTIKVPGKWPSLATSACAPISSSKSNGLSKDMEALH
 MSANSDIGLDGDSICFSPSISSTTSPKLNLPSPHANKKKHLKKKSTNNLKDDGLSSTAEEEEEFMIVSV
 TGQTCHEKATTYEERDAWVQAIQSILASLQSCSSKSKSLTSQSEAMALQSIQNMGRGNHCVDCETQN
 PKWASNLNLGVLMECSGIHRSLGTRLRVRSLELDWVPELRKVMSSIGNDLANSIWEGSSQGQTKPSI
 ESTREEKERWIRSKYEHKLFLAPLPCTELSLGQHLLRATADEDLRTAILLLAHGSREEVNETCGEGDGC
 ALHLACRKNVLAQLLIWYGVDVMARDAHGNTALTYARQASSQECINVLLQYGCPCDECV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133447

ORF Size: 1650 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.

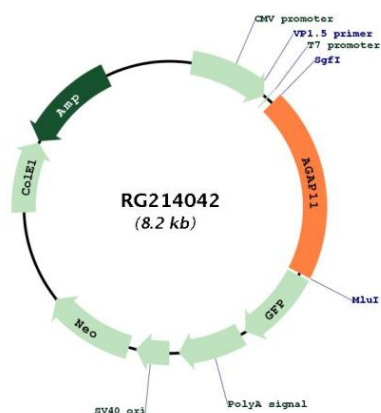
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_133447.2](#)

RefSeq Size: 3155 bp

RefSeq ORF: 1653 bp
Locus ID: 119385
UniProt ID: [Q8TF27](#)
Cytogenetics: 10q23.2
Gene Summary: Putative GTPase-activating protein.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG214042