

Product datasheet for **RG204068**

p66 alpha (GATAD2A) (NM_017660) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	p66 alpha (GATAD2A) (NM_017660) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	p66 alpha
Synonyms:	p66alpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG204068 representing NM_017660
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCAAGCAGCTGAAGGAAGAATTGAGGTTAGAAGAAGCAAACCTCGTGTGTTGAAAAAGTTGCGGC
 AGAGTCAAATACAAAAGGAAGCCACCGCCAGAAAGCCACAGTTCTGTTGGGAGCACCGTGACCACCCC
 TCCCCCGCTTGTTCGGGGCACTCAGAACATTCCTGCTGGCAAGCCATCACTCCAGACCTCTTCAGCTCGG
 ATGCCCGCAGTGTACATACCCCGCCCCTGGTCCGAGGTGGGCAGCAGGCGTCTCGAAGCTGGGGCCAC
 AGGCGAGCTCACAGGTCGTATGCCCCACTCGTCAGGGGGGCTCAGCAAATCCACAGCATTAGGCAACA
 TTCCAGCACAGGGCCACCGCCCCTCTCTGGCCCCCGGGCGTGGTGGCCAGTGTGCAGATTAGGGA
 CAGAGGATCATCCAGCAGGGCTCATCCGCGTCGCCAATGTTCCCAACACCAGCCTGCTCGTCAACATCC
 CACAGCCACCCAGCATCACTGAAGGGGACAACAGCCACCTCCGCTCAGGCAACTCCACCCCACTAG
 TGTGGCCTCTGTGTCACCTCTGCGGAGTCTCCAGCAAGCCGACAGGCGGCCCAAGCTGGCGCTGCGC
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 ACAAGGCAGGATGTCGGCCGCCACTGTGCTGTCCCGGGAGCCCTACATGTGTGCACAGTGAAGACGGAC
 TTCAGTGCCTGGCGGGAGGAGAAGAGCGGGCCATCATGTGTGAGAACTGCATGACAACCAACCAGA
 AGAAGGCGCTCAAGGTGGAGCACACCAGCCGGTGAAGGCCGCTTTGTGAAGGCGCTGCAGCAGGAACA
 GGAGATTGAGCAGCGCTCCTGCAGCAGGGCACGGCCCTGCACAGGCCAAGGCCAGCCACCGCTGCC
 CCACACCCGCTGCTGAAGCAGGTATAAAACCCCGGCGTAAGTTGGCGTCCGCTCAGGAGAGGCCCGCG
 ACTGGAGTAACGGGGCTGTGCTACAGGCTCCAGCCAGCTGTCCCGGGTTCGGCCACGACGCCCGGAGG
 TGTCTGCACACGTTTCAAGTCCGTCACCCAACTGCAGAACTCAGCCTCGGCCACAGCCCTGGTCAAGG
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 CCCTCAGCACAGGCGGGACCTTGCCTTGTGAGCCCAAGCCTGGCGGTGCACAAGAGCTCTCGGCCGT
 GGACCGCCAGCGAGAGTACCTCTGGACATGATCCACCCCGCTCCATCCCCAGTCAAGCCAGTGGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG204068 representing NM_017660
 Red=Cloning site Green=Tags(s)

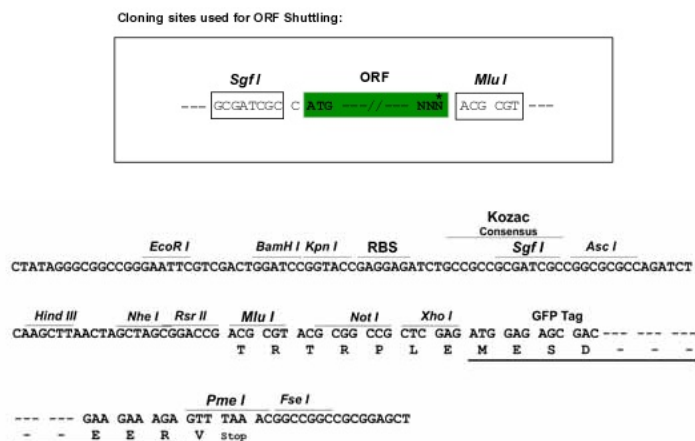
MIKQLKEELRLEEAKLVLLKKLRQSQIQKEATAQKPTGSVSTVTPPPLVRGTQNIIPAGKPSLQTSAR
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 QRRIQQGLIRVANVPNTSLLVNIPQPTASLKGTTATSAQANSTPTSVAASVVTSAESPASRQAAAKLALR
 KQLEKTLLEIPPPKPPAPEMNFPSAANNEFIYLVGLEEVVQNLETTQGRMSAATVLSREPYMCAQCKTD
 FTCRWREKSGAIMCENMTTNQKALKVEHTSRLKAQVAFVQALQEQEIEQRLLQQGTAPAQAKAEPTAA
 PHPVLKQVIKPRRKLAFRSGEARDWSNGAVLQASSQLSRGSATTPRGVLTHTFSPSPKLQNSASATALVSR
 TGRHSERTVSAGKGSATSNWKKTPLSTGGTLAFVSPSLAVHKSSSAVDRQREYLLDMIPPRSIPQSATWK

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_017660

ORF Size: 1470 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.

RefSeq: [NM_017660.2](#), [NP_060130.2](#)

RefSeq Size: 5689 bp

RefSeq ORF: 1902 bp

Locus ID: 54815

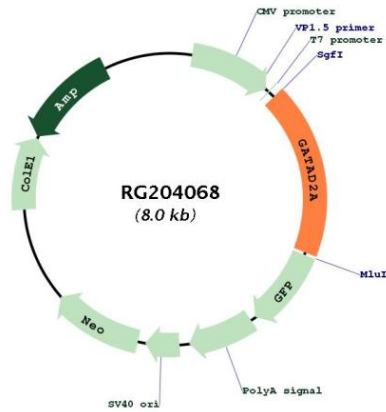
UniProt ID: [Q86YP4](#)

Cytogenetics: 19p13.11

Protein Families: Transcription Factors

Gene Summary: Transcriptional repressor. Enhances MBD2-mediated repression. Efficient repression requires the presence of GATAD2B.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204068