

Product datasheet for **SC320388**

p66 alpha (GATAD2A) (NM_017660) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	p66 alpha (GATAD2A) (NM_017660) Human Untagged Clone
Tag:	Tag Free
Symbol:	p66 alpha
Synonyms:	p66alpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_017660.2
GCACGAGGGGAGATTGTTGCCAGGGCTCTGGTGAGTTCAGAATGACCGAAGAAGCATGCC
GAACACGGAGTCAGAAACGAGCGCTTGAACGGGACCCAACAGAGGACGATGTGGAGAGCA
AGAAAATAAAAAATGGAGAGAGGATTGTTGGCTTCAGATTTAAACACTGACGGAGACATGA
GGGTGACACCTGAGCCGGGAGCAGGTCCAACCCAAGGATTGCTGAGGGCAACAGAGGCCA
CGGCCATGGCCATGGGCAGAGGCGAAGGGCTGGTGGGCGATGGGCCCGTGGACATGCGCA
CCTCACACAGTGACATGAAGTCCGAGAGGAGACCCCTCACCTGACGTGATTGTGCTCT
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AGACTAGCACCGAGGCCCTCATGAAAAGCAGTCTGAAGAACGAGAAAGGATGATCAAGC
AGCTGAAGGAAGAATTGAGGTTAGAAGAAGCAAACTCGTGTGTTGAAAAAGTTGCGGC
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TGACCACCCCTCCCCGCTTGTTCGGGGCACTCAGAACATTCCTGCTGGCAAGCCATCAC
TCCAGACCTCTTCAGCTCGGATGCCCGGAGTGTGATACCCCGCCCTGGTCCGAGGTG
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TCCAGCAGGGCCTCATCCGCGTCGCAATGTTCCCAACACCAGCTGCTCGTCAACATCC
CACAGCCCACCCAGCATCACTGAAGGGGACAACAGCCACCTCCGCTCAGGCCAACTCCA
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AAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAA

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- Restriction Sites:** Please inquire
- ACCN:** NM_017660
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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: 3504 bp

RefSeq ORF: 1473 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]

Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. It encodes isoform 2, which is shorter by an amino acid, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.