

Product datasheet for **SC319242**

Ocular development associated gene (GATAD1) (NM_021167) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ocular development associated gene (GATAD1) (NM_021167) Human Untagged Clone
Tag:	Tag Free
Symbol:	Ocular development associated gene
Synonyms:	CMD2B; ODAG; RG083M05.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_021167.3
 GATCCCTTTCCAGTCTGCTTCCAGTGCCTCGGGCCAGGGAATCCTGGCCTCCGCCTG
 CGGAGCCGGCGGAACCCGCTTCCCGCTCCACGGGCGAGCGCCAGCGGCCTGGTCTTTT
 ACCGGCAGCTCCGTGCCGACGCTCTCACCGCTTCTCTATCGCCGGGAGTGGCGGGCCGA
 CCAGGGGGCGCCGGGCTACCGTCCGCCATTCCCGTGTCTCTGCGCCCGGGGGCCGCC
 CGAGCCGGCCACCATGCCGCTGGGCTGAAGCCACCTGCAGCGTATGCAAGACCAGTC
 GTCCTCCATGTGGAAGAAGGGAGCGCAGGGGGAGATCCTCTGCCATCATTGCACTGGCCG
 GGGCGGCCGGGCGAGCGGGGGCGCAGGCTCGGGGGCGGCTGGAGGGACTGGGGGCAGCGG
 CGGCGGGCGGCTTTCGGCGCGGCGACCTTTCGCCAGCACCTCCGCCACCCCTCCGAGAGCAA
 CGGGGGCGGGGGCGGCAAGCAGAGTAAGCAGGAAATTCACAGGAGGTCTGCTCGGCTCAG
 AAACACTAAATACAAATCTGCTCCGGCTGCTGAAAAGAAAGTCTCCACCAAAGGAAAAGG
 GAGAAGACATATATTTAAATTGAAAAATCCCATCAAAGCTCTGAGTCAGTTTCCACTAT
 AATCACTGCAGAATCAATCTTCTACAAGGGAGTATTACCAAATGGTGATGTTGTTTC
 TGTGATTGATGAACAAGATGGAAAGCCCTACTATGCTCAAATCAGAGTTTTATCCAGGA
 CCAGTATTGCGAGAAGAGTGCAGCACTGACGTGGCTCATTCTACCTCTCTAGCCCCAG
 AGACCAATTTGATCCCGCTCTATATCATAGGGCCAGAGGAAGATCTTCCAAGGAAGAT
 GGAATACTTGAATTTGTTTGTGATGCACCTTCTGAGTATTTCAAGTCACGGTATCACC
 ATTTCCACAGTTCCACCAGACCAGAGAAGGGCTACATATGGACTCATGTTGGGCTAC
 TCCTGCAATAACAATTAAGGAATCAGTTGCCAACCATTGTAGTTCACAAATTAAGTCTG
 GTTTTCCAGGCCTGGTGTGGTGGCTCACGCCTGTAGCCCCAGCTATTGCACCACTGCTCT
 CCAAGCTGGGCAATGGAGTCAGATTCTCTTTCTTAAAAAACACAAAAAACTGGATTTCT
 CAGTTCTCTAATATTCTTAGTACCACAAGATATGTCATAGGTATCTTTAAATGAAATTCT
 TAGCTGGAAAAGTGACTAAAAAGTTTTTCTCCTGCTACCTAGTAATAAACAAATCATTGT
 TTATTACTGGTCACTTAGAAAAATTAAGGGATAGGGCCAGGCACAGTGGCTTATGCCTG
 TAATTGCAGCACTTTTAGAGGCCGAGGCAGGCGGATCACCTGAGGTCGGGAAGTGATCG
 CCTGAGGTGAGGAGTTCGAGACCAGCCTGGCCAACATGGCGAAACCCCGTCTACTAAA
 AATACAAAAATTAGCCAGGTGTGGTGGCATGTGCCTGTAATCCCAGCTATTTGGGAGGCT
 GAGGCAGGAGAATCGCCTAAACCCAGGAGGTGGAGTTGTAGTGAGCCAAGATTGCACCG
 CTGTGCTCCAGCCTGGGCAACAGAGTGAGACTCTGTCTCGGAAAAAAAAAAAAAAAAAAAA
 AA

- Restriction Sites:** Please inquire
- ACCN:** NM_021167
- 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:	<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:	<u>NM_021167.3, NP_066990.3</u>
RefSeq Size:	3955 bp
RefSeq ORF:	810 bp
Locus ID:	57798
UniProt ID:	<u>Q8WUU5</u>
Cytogenetics:	7q21.2
Protein Families:	Transcription Factors
Gene Summary:	<p>The protein encoded by this gene contains a zinc finger at the N-terminus, and is thought to bind to a histone modification site that regulates gene expression. Mutations in this gene have been associated with autosomal recessive dilated cardiomyopathy. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jun 2012]</p> <p>Transcript Variant: This variant (1) represents the protein-coding transcript.</p>