

## Product datasheet for **SC312722**

### Ocular development associated gene (GATAD1) (AK026142) Human Untagged Clone

#### Product data:

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	Ocular development associated gene (GATAD1) (AK026142) Human Untagged Clone
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	Ocular development associated gene
<b>Synonyms:</b>	CMD2B; ODAG; RG083M05.2
<b>Vector:</b>	<u>pCMV6 series</u>
<b>Fully Sequenced ORF:</b>	>NCBI ORF sequence for AK026142, the custom clone sequence may differ by one or more nucleotides ATGCCGCTGGGCCTGAAGCCACCTGCAGCGTATGCAAGACCACGTCGTCTCCATGTGG AAGAAGGGAGCGCAGGGGAGATCCTCTGCCATCATTGCACTGGCCGGGGCGGCGGGG AGCGGGGGCGCAGGCTCGGGGGCGGCTGGAGGGACTGGGGGCAGCGGGCGGGCGGCTTC GGCGGGCGACCTTCGCCAGCACCTCCGCCACCCCTCCGCAGAGCAACGGGGGCGGGGGC GGCAAGCAGAGTAAGCAGGAAATTCACAGGAGGTCTGCTCGGCTCAGAAACTAAATAC AAATCTGCTCCGGCTGCTGAAAAGAAAGTCTCCACCAAAGGAAAAGGAGAAGACATATA TTTAAATTGAAAATCCCATCAAAGCTCCTGAGTCAGTTTCCACTATAATCACTGCAGAA TCAATCTTCTACAAGGGAGTATATTACCAAATTGGTGATGTTGTTTCTGTGATTGATGAA CAAGATGGAAAGCCCTACTATGCTCAAATCAGAGGTTTTATCCAGGACCAGTATTGCGAG AAGAGTGCAGCACTGACGTGGCTCATTCTACCCTCTCTAGCCCCAGAGACCAATTTGAT CCCGCCTCCTATATCATAGGGCCAGAGGAAGATCTTCCAAGGAAGATGGAATACTTGAA TTTGTGTTGTCATGCACCTTCTGAGTATTCAAGTCACGGTCATCACCATTTCCACAGTT CCCACCAGACCAGAGAAGGGCTACATATGGACTCATGTTGGGTCTACTCTGCAATAACA ATTAAGGAATCAGTTGCCAACCATTTG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	AK026142
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).



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**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:** [AK026142.1](#), [BAB15374.1](#)

**RefSeq Size:** 1680 bp

**RefSeq ORF:** 1680 bp

**Locus ID:** 57798

**Cytogenetics:** 7q21.2

**Protein Families:** Transcription Factors

**Gene Summary:** 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]