

## Product datasheet for **SC329979**

### GDA (NM\_001242507) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** GDA (NM\_001242507) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** GDA  
**Synonyms:** CYPIN; GAH; GUANASE; NEDASIN  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC329979 representing NM\_001242507.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

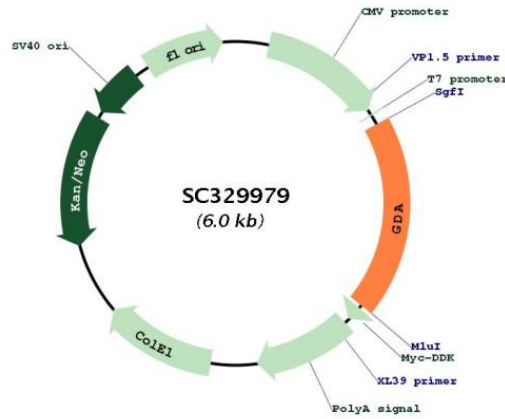
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GAAACTGAGAGATTTGTGTCAGAAATGCTCCAAAAGAACTATTCTAGAGTGAAGCCCATAGTGACACCA
CGTTTTTCCCTCTCCTGCTCTGAGACTTTGATGGGTGAACTGGGCAACATTGCTAAAACCCGTGATTTG
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ATTTCTGAGGCTGTTATCCAGAAGTTCCTCTATCTAGGAGATGATCGAAATATTGAAGAGGTTTATGTG
GGCGAAAGCAGGTGGTCCGTTTTCCAGCTCAGTGTAA
  
```

**Restriction Sites:** SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001242507

**Insert Size:** 1143 bp

**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).

**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\\_001242507.2](https://www.ncbi.nlm.nih.gov/RefSeq/record/NM_001242507.2)

**RefSeq Size:** 5384 bp

RefSeq ORF:	1143 bp
Locus ID:	9615
UniProt ID:	<a href="#">Q9Y2T3</a>
Cytogenetics:	9q21.13
Protein Pathways:	Metabolic pathways, Purine metabolism
MW:	42.4 kDa
Gene Summary:	<p>This gene encodes an enzyme responsible for the hydrolytic deamination of guanine. Studies in rat ortholog suggest this gene plays a role in microtubule assembly. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and coding sequence and in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (c) is shorter at both the N- and C-termini compared to isoform a. Variants 3 and 4 both encode the same isoform (c).</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>