

## Product datasheet for **MG203943**

### Gnpda1 (BC014800) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gnpda1 (BC014800) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gnpda1
Synonyms:	GNPDA, oscillin, Gnp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203943 representing BC014800 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGCTCATTATCCTGGAACACTATCCAGGCCAGTGAGTGGGCGGCCAAGTATATTAGGAACCGTA  
TCATCCAGTTTAACCCAGGGCCTGACAAGTACTTCACCCTGGGGCTCCCCACTGGGAGCACCCCGCTTGG  
CTGCTACCAGAAGCTGATCGAGTACTATAAGAATGGGGACCTGTCCTTTCAATATGTGAAAACCTTCAAC  
ATGGACGAGTATGTGGTCTTCTCGAGACCACCCAGAGAGTTACCACTCCTTCATGTGGAATAATTCT  
TCAAGCACATTGACATCCACCCTGAAAACACCCACATTTTGGATGAAAATGCGGCTGACCTGCAGGCCGA  
GTGTGACGCCTTTGAGGAGAAGATCCAGGCTGCCGGAGGGATCGAACTCTTTGTGCGGAGGATTGGCCCC  
GATGGACACATTGCCTTCAATGAGCCAGGCTCCAGCCTGGTGTCCAGGACCCGTGTGAAGACTCTGGCTA  
TGGACACCATCCTGGCCAACGCTAGGTTCTTTGATGGTGTGATCTTGCCAAGGTGCCACCATTGGCCCTGAC  
AGTGGGGTTCGGCACTGTGATGGATGCTAAAGAGGTGATGATCCTCATCACAGGCGCTCACAAAGGCTTC  
GCTCTGTACAAAGCCATCGAGGAGGGCGTGAACCACATGTGGACGGTGTCCGCTTTTCAGCAGCACCCCC  
GCACTGTGTTTGTGTGACGAGGACGCCACCTTGAACATAAAAGTGAAGACAGTCAAATATTTCAAAGG  
TTAATGCTTGTTCATAACAAGCTGGTGGACCCCTGTACAGTATCAAGGAGAAGGAAATTCAGAAAAGC  
CAATCTGCTAAGAAGCCATACAGTGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG203943 representing BC014800  
 Red=Cloning site Green=Tags(s)

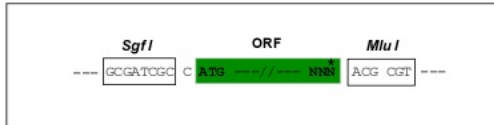
MKLIILEHYSQASEWAAKYIRNRIIQFNPGPKYFTLGLPTGSTPLGCVQKLI EYYKNGDLSFQYVKTFN  
 MDEYVGLPRDHPESYHSFMWNFFKHIDIHPENTHILDGNAADLQAECDAFEKIQAAGGIELFVGGIGP  
 DGHIAFNEPGSSLVSRTRVKTLMAMDTILANARFFDGLAKVPTMALTVGVGTVMDAKEVMILITGAHKAF  
 ALYKAIEEGVNHMTVSFAFQQHPRTVFVCEDEATLELKVTKVYFKGLMLVHNKLVDP LYSIKEKEIQKS  
 QSAKKPYSD

TRTRPLE - GFP Tag - V

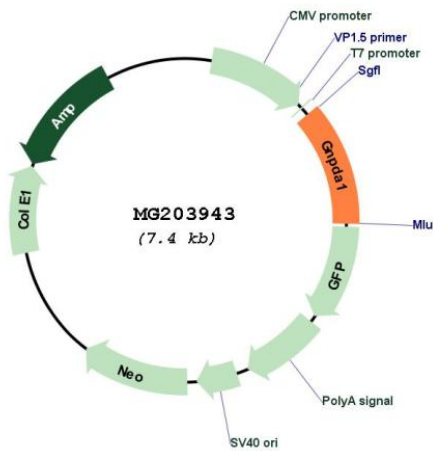
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** BC014800

**ORF Size:** 869 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC014800</a> , <a href="#">AAH14800</a>
<b>RefSeq Size:</b>	2222 bp
<b>RefSeq ORF:</b>	869 bp
<b>Locus ID:</b>	26384
<b>Cytogenetics:</b>	18 B3
<b>Gene Summary:</b>	Seems to trigger calcium oscillations in mammalian eggs. These oscillations serve as the essential trigger for egg activation and early development of the embryo (By similarity). [UniProtKB/Swiss-Prot Function]