

## Product datasheet for **MC204507**

### **Gnpda1 (NM\_011937) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gnpda1 (NM_011937) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gnpda1
Synonyms:	Gnp1; GNPDA; Gnpi; oscillin
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC014800  
 CCGCGGGAAGCCTGCGAGTCTAGCGATGAAGCTCATTATCCTGGAACACTATCCAGGCCAGTGAGTGG  
 GCGGCCAAGTATATTAGGAACCGTATCATCCAGTTTAACCCAGGGCCTGACAAGTACTTCACCCTGGGGC  
 TCCCACTGGGAGCACCCCGCTTGGCTGTACCAGAAGCTGATCGAGTACTATAAGAATGGGGACCTGTC  
 CTTTCAATATGTGAAAACCTTCAACATGGACGAGTATGTGGTCTTCTCGAGACCACCCAGAGATTAC  
 CACTCCTTCATGTGGAATAATTTCTTCAAGCACATTGACATCCACCCTGAAAACACCCACATTTTGGATG  
 GAAATGCGGGTACCTGCAGGCCGAGTGTGACGCCTTTGAGGAGAAGATCCAGGCTGCCGGAGGGATCGA  
 ACTCTTTGTGCGAGGCATTGGCCCCGATGGACACATTGCCTTCAATGAGCCAGGCTCCAGCCTGGTGTCC  
 AGGACCCGTGTGAAGACTCTGGCTATGGACACCATCCTGGCCAACGCTAGGTTCTTTGATGGTGATCTTG  
 CCAAGGTGCCACCATGGCCCTGACAGTGGGGTGGGCACTGTATGGATGCTAAAGAGGTGATGATCCT  
 CATCACAGGCGCTCACAAGGCCTTCGCTCTGTACAAAGCCATCGAGGAGGGCGTGAACCACATGTGGACG  
 GTGTCCGCTTTTACGACGACCCCGCACTGTGTTTGTGTGTGACGAGGACGCCACCTTGGAACTAAAAG  
 TGAAGACAGTCAAATATTTCAAAGGTTTAAATGCTTGTTCATAACAAGCTGGTGGACCCCTGTACAGTAT  
 CAAGGAGAAGGAAATTCAGAAAAGCCAATCTGCTAAGAAGCCATACAGTACTAGCCTGTGACTGACATG  
 GTATTCAGTACCTCAGAGGGACAGGCAGTCTTCCGGAAGTCTCTGTAGGAGAGAGAGTAGAATTA  
 CTTTTAGTCCACTCTGGTTGCTGCAGATCTGAGGCTTGTATATACATGTTAAGGAGTTTGGCTATGGA  
 GAACATTTGTTGATTATAATTTCTCCTTCTTTTTTCAGTACTGGGGGCTGAACCTGGGGCCTTGACATG  
 CCAAGGAGGTGCCTTGTAACTGAGCTATGTCCCAACTTTCTGCCCTTTTTCATAATGGTTTTGTAAAC  
 ATCCGAAGTCTCCATCACTGACTGTAATTATATCTTCTGCCCTGTGCACATGGGCAGCACACGCCCGT  
 CGAGAACTCCTGTCTGTGTGTGCTTTTTCTAGAGTTGGCAGGGATTAGGGCTTGTGCACTTTGGACATAA  
 CCTTTCTGGAGACTTGAGAGCCCCTTCTGCCAGCCTTCCCACTGAGAAATTTTCAATTTAAAGAATATA  
 CTTCCAGAACTTGAATTATGCACAAGGAAGCAGCCCTTCTGCCAGAACCAAGAACCTGGGGGAGAAGCC  
 TGTCCCTGTTCCATTGTGTGGATTGTCTTCTGTTGTCAGTAGCTAGCCTTTCTGTAACAGGCCTTC  
 TGGGCATGTGGGCTAAGATGGCTTTTACAGGTAAGTCAAGCTTCAAAGGCCAGCCTTGTCTTGTTC  
 TCTCTCAAGATTCACAAGAGAAAAGTGAAAGGCCTCCTGCCTGAGCTCTGTTTTCTCAACAGATTT  
 TTACACACTCCCTAGTAAGGAGATCCGCGTGGGTACAGACACGCTATGATTTTCAAGTTTTTACCAAG  
 GTGGGGAGCTGACATCTGCACATGCGCTGTGCTCTGCGGCCTCCTCAGAGCTGAGTGCCAAGATTATACA  
 TGCTACTGCTCTCCTCGTTAACTCACCCAGCACTCCACCTTTGGGTATATATCCTCTGCCTCAG  
 TATCAGAACTAAACCCTCACCCCTGTCTTCAAGGCTCCCTCCAGGCTCCTCTGCTTGGCCTTGCT  
 TTATCTTCTGCTCTGTGGAGTGGTGCCTCCTTCCGCTCCTTGTGCTGTCTGAAGCTAGAGC  
 TGCTATTTCCAGGAGAGTCTTTCAGAACATTGCCAGGCCCTCCAGAAGTACTGTGTTTGGTACCAG  
 CATTTGTTGTAGTTTTATATGTGATTGTCTATTGTTCTGTGTTAAGCTAATGGATCAATGGACTTGT  
 TTACAATGTGACATTTTCTATTAATTTTCAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_011937

**Insert Size:** 870 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:** [BC014800](#), [AAH14800](#)

**RefSeq Size:** 2222 bp

**RefSeq ORF:** 870 bp

**Locus ID:** 26384

**UniProt ID:** [O88958](#)

**Cytogenetics:** 18 B3

**Gene Summary:** 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]