

## Product datasheet for MR203714

### Gnpda2 (NM\_001038015) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gnpda2 (NM_001038015) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gnpda2
Synonyms:	4921523I18Rik; 4933412A11Rik; BB189630; Gnp2; GNPDA; mKIAA4008; Sb52
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203714 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGCTTGTAATCTTGATAACTATGACTTGGCCAGCGAATGGGCAGCCAAGTACATCTGCAATCGTA  
TCATAAAATCAAACCCGGACAGGACAGGTACTTTCCCTGGGCTTACCAACAGGGAGTACACCTTTAGG  
ATGTTATAAAAAGCTAATCGAATACCACAAGAGTGAAACCTTTCATTTAAATATGTGAAGACTTTTAAC  
ATGGATGAATATGTCGGACTTCCAAGAAACCACCCTGAAAGTTACCATTCTTATATGTGGAATAACTTCT  
TTAAGCATATCGATATAGATCCGAACAATGCTCACATCCTCGATGGGAACGCTGCAGATCTGCAGGCAGA  
GTGTGATGCATTTGAGGAGAAAAATCAAAGAAGCTGGAGGAATAGACCTTTTTGTTGGAGGAATAGGTCCA  
GATGGCCATATTGCTTTCAATGAACCAGGATCCAGTTTAGTATCAAGAACGAGATTAAGACGCTAGCAA  
TGGACACCATTTGGCAAATGCTAAATATTTGATGGAGATTTATCAAAAGTGCCAACCATGGCTCTGAC  
TGTTGGTGTGGGGACAGTGATGGATGCTAGGGAGGTGATGATCCTCATAACAGGTGCGCACAAAGGCCTTC  
GCGCTGTACAAAGCCATGGAAGAAGGAGTCAATCACATGTGGACGGTGTCCGCTTTCCAGCAACATCCAC  
GCACTATTTTGTATGTGATGAAGATGCCACTCTAGAATTAAGAGTTAAAAGTGTGAAATACTTTAAAGG  
TTAATGCATGTGCACAATAAAGTTGTGGACCCACTCTACAGTATGAAAGAAGGGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203714 protein sequence  
 Red=Cloning site Green=Tags(s)

MRLVILDNYDLASEWAAKYICNRIIKFKPGQDRYFSLGLPTGSTPLGCKYKLIIEYHKSGNLSFKYVKTFN  
 MDEYVGLPRNHPEYHSYMWNNFFKHIDIDPNNAHILDGNAADLQAECDAFEKIKEAGGIDLFVGGIGP  
 DGHIAFNEPGSSLVSRTRLKTLAMDTILANAKYFDGDL SKVPTMALTVGVTVM DAREVMILITGAHKAF  
 ALYKAMEEGVNHMWTVSFAFQQHPRTIFVCEDEATLELRVKTVKYFKGLMHVHNKLVDP LYSMKEGN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001038015

**ORF Size:** 831 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001038015.2](#)

**RefSeq Size:** 1867 bp

**RefSeq ORF:** 831 bp

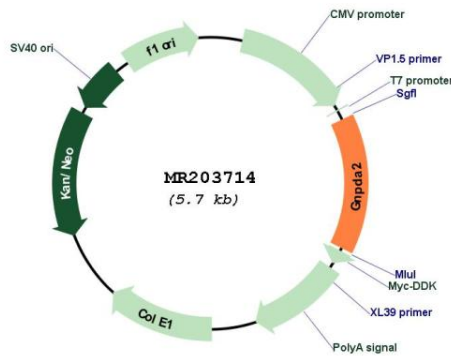
**Locus ID:** 67980

**UniProt ID:** [Q9CRC9](#)

**Cytogenetics:** 5 C3.1

**MW:** 31.1 kDa

**Product images:**



Circular map for MR203714