

## Product datasheet for **RR207966**

### Gnptg (NM\_001100493) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Gnptg (NM\_001100493) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Gnptg  
Synonyms: Gnptag  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR207966 representing NM\_001100493  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGGGGGGGCTGACTGGCTTCTGATGTTGCTGGGGCTCGCGGCGCAGGGGCTGCGCCGACACATG  
CCGGGAAGATGAAGGTGGTGGAGGAGCCCAACTTTTCGGGCTGAATAACCCGTTCTTGCCCGAGCAAG  
CCGACTTCAGCCCAAGAGAGAGCCTTCGGCTGTATCTGGGCCCCGCATCTTTCAGACTCGCTGGCAAG  
TGCTTCAGCCTAGTGGAGTCCAGGTACAAGTATGAATTCTGCCCTTCCACAACGTGACCCAGCATGAGC  
AGACCTTCCGTTGGAACGCCTACAGCGGGATCCTTGGCATCTGGCATGAGTGGGAGATCGTCAACAACAC  
CTTCAAGGGCATGTGGATGACTGATGGGGACTCCTGTCACTCCCGGAGCCGGCAGAGCAAGTGGAGCTC  
ACCTGTGGAAAGACCAACCGACTGGCCACGTGTCTGAACCAAGCACCTGCGTCTATGCATTGACATTTG  
AGACCCCTCTGTCTGCCATCCCCACTCTCTGTAGTGTATCCAACCCTGTGAGAGGCCCTGCAGCAGCG  
CTGGGACCAGGTGGAACAGGACCTGGCGGACGAGCTGATCACCCGAGGGCTATGAGAAGTTGCTGAGG  
GCACTTTTTGAGGATGCTGGCTACTTAAAGTCCCAGGAGAAACCCACCCAGCTGGCAGGAGATT  
CCAAGGGCCTGGGGCTTGAGACTCTGGACATTTGCAGAAAGGCACACGAGAGCTGTACGGGAGGTACA  
AAGACTGACAAGTCTGCTCGAACAGCATGGAATCCCACACACTCAGCCACAGAAACCCCACTCTCAG  
CTCCTGGGTGAGCAGCTCCCGGTAGGTGAAATCTCAGAGCAGTTGCGGGGCGACCCAGGACTACGAGGGA  
ACATCCTG

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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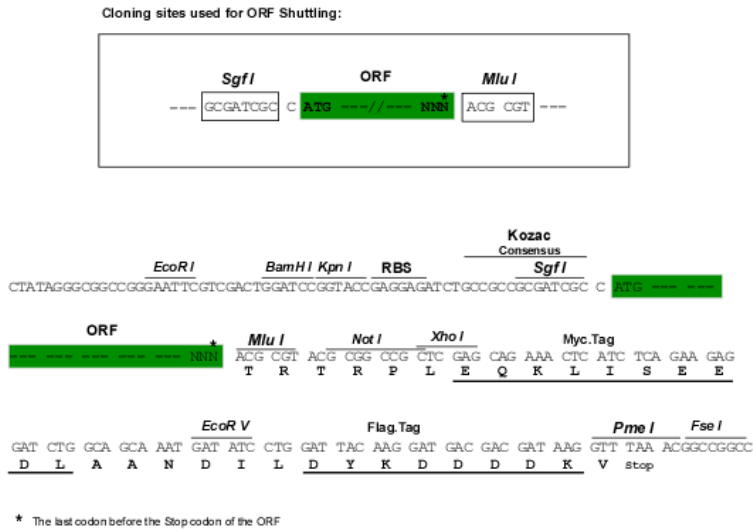
**Protein Sequence:** >RR207966 representing NM\_001100493  
 Red=Cloning site Green=Tags(s)

MAGRLTGFLMLLGLAAQGPAPTHAGMKVVEEPNTFGLNPFLLPQASRLQPKREPSAVSGPPHLFRLAGK  
 CFSLVESTYKYEFCPFHNVTQHEQTFRWNAYSGLGIWHEWEIVNNTFKGMWMTDGDSDCHSRSRQSKVEL  
 TCGKTNRLAHVSEPSTCVYALTFETPLVCHPHSLLVYPTLSEALQQRWDQVEQDLADELITPQGYEKLLR  
 ALFEDAGYLKVPGETHTPTQLAGDSKGLGLETLDICRKAHAELSREVQRLTSLLEQHGIPHTQPTETTHSQ  
 LLGQQLPVGEISEQLRGDPGLRGNIL

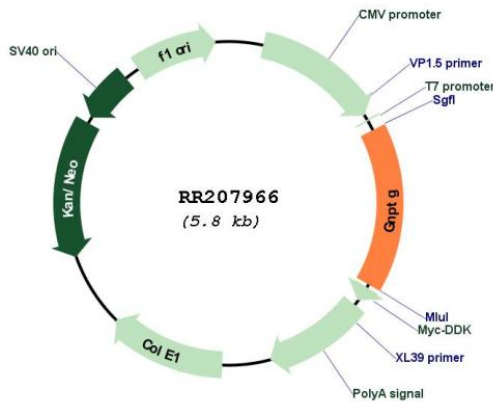
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001100493

**ORF Size:** 918 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>	<u><a href="#">NM_001100493.1</a>, <a href="#">NP_001093963.1</a></u>
<b>RefSeq Size:</b>	1217 bp
<b>RefSeq ORF:</b>	921 bp
<b>Locus ID:</b>	287134
<b>Cytogenetics:</b>	10q12
<b>MW:</b>	34.1 kDa