

Product datasheet for **RR206592**

Gnpda2 (NM_001106005) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gnpda2 (NM_001106005) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gnpda2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206592 representing NM_001106005
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCTTGTAATCTTGATACTATGACTTGGCCAGTGAGTGGCAGCCAAGTACATCTGCAATCGTA
TCATCAAATTCAGCCTGGACAGGACAGATACTTTTCACTGGGCTTACCAACAGGGAGCACACCTTTAGG
ATGTTATAAAAACTAATAGAATACCACAAGAGTGGAAACCTTTCAATTTAAATATGTGAAGACTTTTAAC
ATGGATGAATATGTTGGACTTCCAAGAAACCATCCCGAAAGCTACCATTCTTATATGTGGAATAACTTCT
TTAAGCATATCGACATAGATCCTAATAATGCTCACATCCTCGATGGGAACGCTGCTGATTTGCAGGCAGA
GTGTGATGCATTTGAGGAGAAAAAAAAGAAGCCGGAGGAATAGATCTTTTTGTTGGAGGAATAGGTCCA
GATGGTCATATCGCTTTCAATGAGCCAGGATCCAGTTTAGTATCAAGAACAAGATTAAGACTCTAGCAA
TGGACACCATTTAGCAAATGCAAAATATTTTGTGGAGATTTATCAAAAGTACCAACCATGGCTCTAAC
TGTTGGTGTGGGACAGTGATGGATGCCAGGGAGGTGATGATCCTCATAACAGGTGCACACAAGGCGTTC
GCGCTGTACAAAGCCATCGAGGAAGGCGTCAATCACATGTGGACTGTGTCCGCTTCCAGCAGCATCCCC
GGACTATTTTGTATGTGACGAGGATGCTACTTTAGAGTTAAGAGTTAAACTGTGAAACTTTAAAGG
TTAATGCATGTGCACAATAAATCTGTGGACCCACTATGCAGTATGAAAGAAGGGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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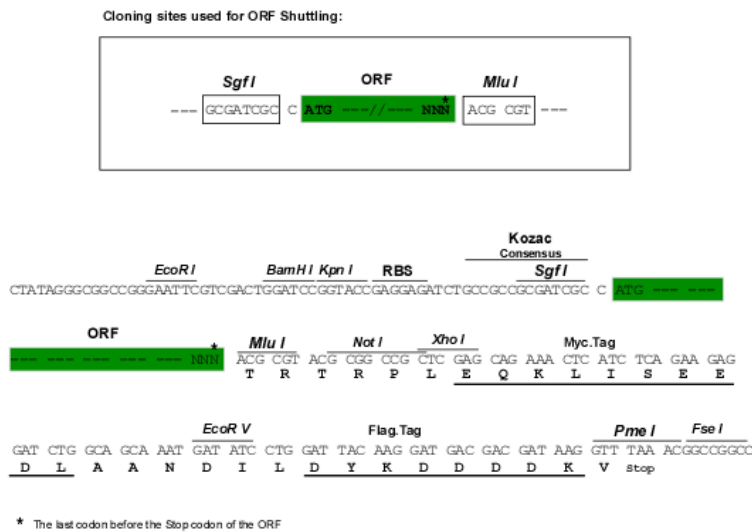
Protein Sequence: >RR206592 representing NM_001106005
 Red=Cloning site Green=Tags(s)

MRLVILDNYDLASEWAAKYICNRIIKFKPGQDRYFSLGLPTGSTPLGICYKLLIEYHKSGNLSFKYVKTFN
 MDEYVGLPRNHPEYHSYMWNNFFKHIDIDPNAHILDGNAADLQAECDAFEEDIKEAGGIDLFVGGIGP
 DGHIAFNEPGSSLVSRRLKTLAMDTILANAKYFDGDL SKVPTMALTVGVGTVM DAREVMILITGAHKAF
 ALYKAIEEGVNHMWTVSFAFQQHPRTIFVCD EDATLELRVKTVKYFKGLMHVHNKLVDP L CSMKEGD

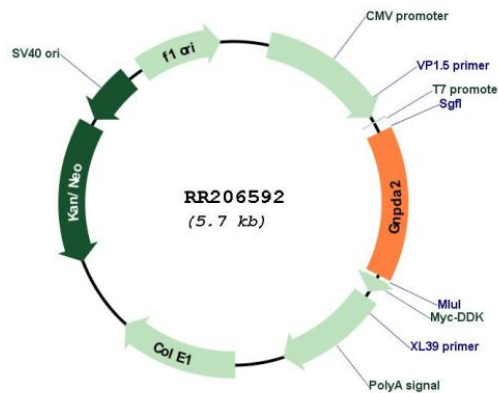
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106005

ORF Size: 828 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:	<ol style="list-style-type: none"> 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_001106005.1 , NP_001099475.1
RefSeq Size:	1825 bp
RefSeq ORF:	831 bp
Locus ID:	289608
Cytogenetics:	14q11
MW:	31 kDa