

Product datasheet for **RR214096**

Gnpda1 (NM_001134995) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gnpda1 (NM_001134995) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gnpda1
Synonyms: MGC189374
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214096 representing NM_001134995
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGCTCATTATTCTGGAACACTATTCACAGGCCAGTGAGTGGGCGGCCAAGTATATTAGGAACCGCA
TCATCCAGTTTAACCCAGGACCTGACAAGTACTTCACCCTGGGGCTCCCCACGGGAGCACCCCGTTGG
CTGCTACCAGAAGCTGATTGAGTACTATAAGAATGGGGACCTGTCCTTTAAATATGTGAAAACCTTCAAC
ATGGACGAGTATGTGGGTCTTCTCGAGAGCACCCAGAGAGCTACCACTCCTTCATGTGGAATAACTTCT
TCAAGCACATTGACATCCACCCTGAAAACACCCACATTTTGGATGGAAAACGCGGCTGACCTGCAGGCTGA
GTGCGACTCCTTTGAGGAGAAGATCCAGGCTGCAGGAGGGATCGAGCTCTTTGTTGGAGGCATTGGCCCC
GATGGACACATTGCCTTCAATGAGCCAGGCTCCAGTCTGGTGTCCAGGACCCGTGTGAAGACTCTGGCCA
TGGACACCATCCTGGCCAACGCTAGATTCTTTGATGGTGTCTTGCCAAGGTGCCACCATTGGCCCTGAC
AGTGGGTGTGGGCACTGTATGGATGCTAAAGAGGTGATGATCCTCATCACAGGTGCTCACAAGGCTTTC
GCTCTGTACAAAGCCATTGAAGAGGGTGTGAACCACATGTGGACGGTGTCTGCCTTTCAGCAGCATCCTC
GCACTGTGTTTGTGTGACGAGGATGCCACCTTGGAACTAAAAGTGAAGACCGTCAAGTATTTCAAAGG
TTTAATGCTTGTTCATAACAAGTTGGTGGACCCCTGTACAGTATCAAGGAGAAGGAAATTCAGAAAAGC
CAATCTGCTAAGAAGCCATACAGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214096 representing NM_001134995
 Red=Cloning site Green=Tags(s)

MKLIILEHYSQASEWAAKYIRNRIIQFNPGPKYFTLGLPTGSTPLGCVQKLI EYKNGDLSFKYVKT FN
 MDEYVGLPREHPESYHSFMWNFFKHIDIHPENTHILDGNAADLQAECD SFEEKIQAGGIELFVGGIGP
 DGHIAFNEPGSSLSRTRVKT LAMDTILANARFFDGLAKVPTMALTVGVGT VMDAKEVMILITGAHKAF
 ALYKAIIEEGVNHMWTVS AFQQHPRTVFVCEDEATLELKVTKVYFKGLMLVHNKLV DPLYSIKEKEIQKS
 QSAKKPYSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

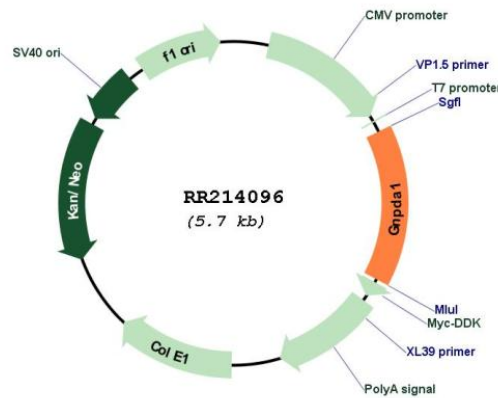
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001134995

ORF Size: 867 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_001134995.1 , NP_001128467.1
RefSeq Size:	2199 bp
RefSeq ORF:	870 bp
Locus ID:	683570
Cytogenetics:	18p11
MW:	32.6 kDa