

Product datasheet for **RR202142**

Gpaa1 (NM_001004240) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpaa1 (NM_001004240) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpaa1
Synonyms:	MGC93877
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR202142 representing NM_001004240
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGTCTCTGTGCGACCCGGTGCGCCGGCGCGCTCGCCCGCATCGTCTTGCCTCAACACTCCTC
 TATGTGTGCTGAGCTACGTAGCTGGCATCGCCTGGTTTTTGGCGCTGGCTTTCCGCCGCTAACCCAGCG
 CACTTATATGTCTGAGAATGCCATGGGCTCCACCATGGTGGAGGAGCAGTTTGTAGTGGAGACCGTGCC
 CGCAACTCGCCCGGACTTTGCTGCCACCAGCAAGAAGCCAGGGGCTCTGCCAGTAGCCTGGTGAAAA
 GGGCGATGCGATCCGTAGGACTGGAGGTCTACACTCAGAGCTTCTCCCGAAACTACCTTCCCGGATGA
 GACCCATGAGCGCTATATGGTCTCGGTACCAATGTGTATGGCATCTGCGGGCCCCACGTGCTGCCAGT
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 CTTCTGCCAGAAAGGGGGCTGTTGTGCACACTCCAGGGCAAGCTGCAGCCCCAGGACTGGACATCACTG
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 ACATGCCCGCCACAGGCTTCTGCTCCTGGTCTTGGACTCAAGGCTCTCGAGCTATGGATGCAGTTACA
 CGAGGCTGGAGTGAACCTGAGGAGGCTGGGAAGGCCCTGGCCCCGGCTCTCCACCCTTGCAACACAG
 AGCGTGAGCCTGGCCTCACTTATGGCGCCCTTGTGATCTCTCAGGCCATGGGTTTGGCCCTCTATTTC
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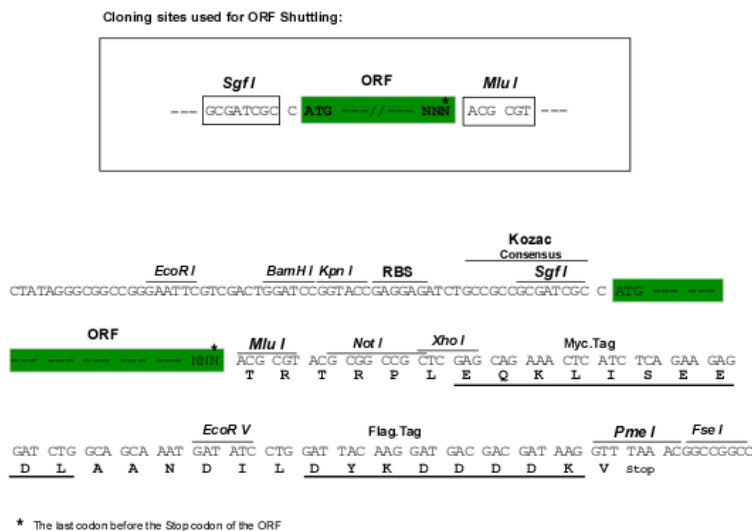
Protein Sequence: >RR202142 representing NM_001004240
Red=Cloning site Green=Tags(s)

MGLLSDPVRRRALARIVLRLNTPLCVLSYVAGIAWFLALAFPPLTQRTYMSENAMGSTMVEEQFVGGDRA
 RNFARDFAAHRKKPGALPVAWLERAMRSVGLVYVTSQFSRKLPPDETHERYMVSQNTVYVYILRAPRAAS
 TESLVLTVPCGPDTTNSQAVGLLLALAAHFRGQIYWAKDIIFLVTEHLLGTEAWLEAYHDINVTGIQSS
 PLQGRAGAIQAQVALELSSDVVTSLDVTVEGLNGQLPNLDLLNLFQTFQKGGLLCTLQGLQPQDWTSL
 EGPLQGLQTLMLVLRQASGRPHGPHGLFLRYGVEALTLRGINSFRQYKVDLVAVGKALEGMFRKLNHLL
 ERLHQSFYLLPALSRFVSIPLYMPATGFLLLVLGLKALELWMQLHEAGVNPPEAGKAPGPGSPPLATQ
 SVSLASLMAPLLISQAMGLALYFLPVLGQHVAAQHFPVAEAEAVVLTLLAIYVAGLALPHNTHRVSSQV
 PDRGWMALKLVALIYLALQLGCIALLNFSLGFLLAATMVPAAALTKPHGPRTL YAALLVVTSPAVTLFGS
 LFLWRELQEVPLSLAEGWQLFLTALAQGVLEHYTYGALLFPILALGLYPCWLLFNNVLFWKVSLLAALLE
 CSLLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001004240

ORF Size: 1863 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 Size: 2043 bp

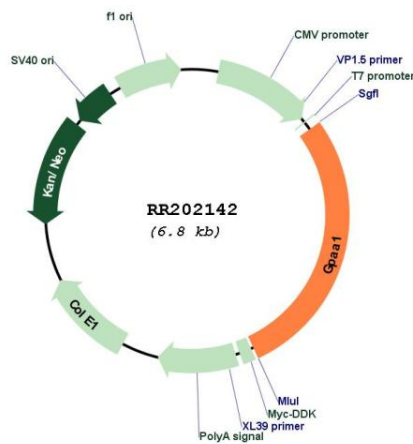
RefSeq ORF: 1866 bp

Locus ID: 300046

Cytogenetics: 7q34

MW: 68 kDa

Product images:



Circular map for RR202142