

Product datasheet for **RR206758**

Lpar4 (NM_001106940) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lpar4 (NM_001106940) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lpar4
Synonyms: Gpr23; RGD1563686
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206758 representing NM_001106940
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTGACAGAAGATTTATTGACTTCCAATCCAAGATTTAAATCAAGTCTCAGACCCAGGTTGGAA
 ATGCAACTGCCAATAATACTTGCATTGTTGACGACTCCTCAAGTATAATCTGAATGGTGTCTATAG
 TGTTGTATTTATCCTGGGCTTAATAACCAACAGTGCTTCCCTGTTTGTCTCTGCTTCCGCATGAAAATG
 AGAAGTGAGACCGCTATTTTCATCACCAATCTGGCCCTCTGACTTGCTTTTTGTCTGTACCCTACCTT
 TCAAAATATTTTACAACCTTAACCGCCACTGGCCGTTTGGTGACACCCTCTGTAAGATCTCAGGGACTGC
 ATTCCTCACCAACATCTATGGGAGCATGCTTCTCCTCACCTGCATTAGTGTGGATCGTTTCTAGCCATT
 GTCTATCCCTTCCGATCTCGTACCATCAGGACCAGGAGGAATCCGCCATTGTGTGCGCTGGAGTCTGGA
 TCCTAGTCCTCAGTGGTGGTATTTACAGCGTCTTTGTTTTCCACCACTAACGTCAACAATGCGACCACCAC
 TTGCTTTGAAGGCTTCTCCAACGTGTCTGGAAGACTTACCTGTCCAAGATCACCATATTCATTGAAGTT
 GTTGGGTTTCATCATTCTCTGATATTGAATGTTTCCTGCTTCTGTGGTGTAGAACCCCTCCGCAAGC
 CTGCAACATTGTCTCAAATGGGACCAATAAGAAAAAGTGTGAAGATGATCACAGTGCATATGGCAGT
 TTTTGTGGTATGCTTCGTACCATATAACTCTGTTCTCTTTTATATGCCTTGGTACGTTCCCAAGCCATT
 ACTAATTGCTTATTGAAAGTTTGCAAAGATAATGTACCCGATTACCTGTGCCTTGCAACTCTGAATT
 GTTGCTTTGACCCTTTTATCTAATTACTTCACTCTTGAATCTTTTCAGAAATCCTTTTATATCAACACACA
 CATAAGGATGGAGTCGCTGTTTAAAGACTGAGACACCTCTGACCCCAAACCTTCCCTTCCAGCTATCCAA
 GAGGAAGTTAGTGATCAAACAACAATAATGGTGGTGAACATAATGCTGGAATCCACCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206758 representing NM_001106940
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MGDRRFIDFQFDLNSSLRPRLGNATANNTCIVDDSFKYNLGAVYSVVFILGLITNSASLFVFCFRMKM
 RSETAIFITNLALSDLLFVCTLPFKIFYNFRHWPFGDTLCKISGTAFLTNIYGSMLFLTCISVDRFLAI
 VYFFRSRTIRTRNSAIVCAGVWILVLSGGISASLFTSTNVNNTTTTCFEGFSKRIVWKTYSKITIFIEV
 VGFIIPILILNVSCSSVLRITLRKPATLSQIGTNKKVLMITVHMAVVFVCFVPYNSVLFYALVRSQAI
 TNCLLERFAKIMYPITLCLATLNCCDFPIYYFTLESFQKSFYINTHIRMESLFKTETPLTPKPSLPAIQ
 EEVSDQTTNNGGELMLESTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

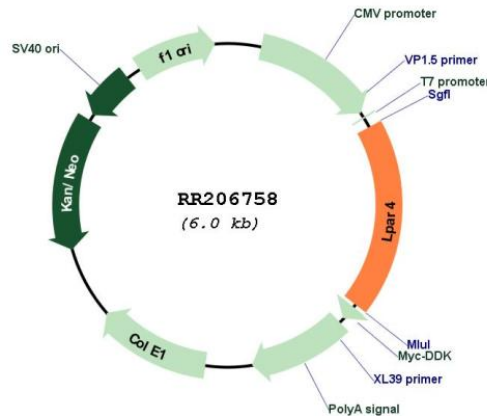
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106940

| | |
|-------------------------------|---|
| ORF Size: | 1110 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_001106940.1 , NP_001100410.1 |
| RefSeq Size: | 4171 bp |
| RefSeq ORF: | 1113 bp |
| Locus ID: | 302378 |
| Cytogenetics: | Xq22 |
| MW: | 41.9 kDa |