

Product datasheet for MR205509

Lrpap1 (NM_013587) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lrpap1 (NM_013587) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lrpap1
Synonyms: AA617339; AI790446; AU042172; C77774; HBP44; RAP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR205509 representing NM_013587
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCCTCGAAGAGAGAGGGTCTCTACGCTGCCCGGCTCCAAGTCTAGTGCTGTTGTTGCTGCCGC
 TGATGCTTGTGCCCGAGCCATAGCAGGCCATGGCGGCAAGTACTCGCGAGAGAAGAAGCAGCCGGAGAT
 GGCCGCCAAGCGCGAGTCCGGGGAGGAGTTCGCATGGAGAAGCTGAACCAGCTATGGGAGAAGGCCAAG
 CGGCTTCATCTGTCTCCTGTGAGGCTGGCCGAGCTGCATTCTGACCTGAAGATACAAGAGAGGGATGAAC
 TCAACTGGAAAAAGCTGAAGGTGGAAGGCTTGGATAAAGGATGGGGAGAAAAGAAGCAAACTGATCCACAA
 CCTCAACGTCATCCTGGCCAGATACGGACTGGATGGGAGGAAGGACGCCAGATGGTGCACAGCAACGCC
 CTCAATGAAGACACCCAGGATGAGCTGGGGACCCAGGCTGGAAAAGCTGTGGCACAAGGCAAAGACAT
 CAGGGAAATCTCCAGTGAAGAGCTGGACAAGCTGTGGAGAGAGTTTCTGCATTACAAAGAGAAGATCCA
 GGAGTACAATGTGCTGCTAGACACACTGAGCAGAGCTGAAGAAGGTTATGAGAACCCTTCTCAGTCCCTCG
 GACATGGCCACATCAAGAGCGACACCCCTGATCAGCAAGCACAGTGAGCTGAAGGACAGACTGCGCAGTA
 TCAACCAGGGCTTGGACCGCTGCGGAAGGTCAGCCACCAGGGCTATGGCTCCACCACTGAGTTTGAAGA
 GCCCGGGTGATAGATCTGTGGACCTGGCTCAGTCTGCCAATCTCACTGAGAAGGAAGTGGAGTCAATC
 AGGAGGAGCTCAAGCACTTTGAGGCCAAAATTGAAAAGCACAACCACTACCAGAAGCAGCTGGAGATT
 CCCACCAGAAGCTGAAGCACGTGGAGAGCATCGGCGACCCGAGCACATCAGCCGCAACAAGGAGAATA
 CGTGCTGCTGGAGGAGAAGACCAAGGAGCTGGGCTACAAGGTGAAGAAGCATCTACAGGACCTGTCTAGC
 AGGGTCTCAAGGGCTCGGCACAATGAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205509 representing NM_013587
 Red=Cloning site Green=Tags(s)

MAPRRERVSTL PRLQLLVLLLLPLMLVPQPIAGHGGKYSREKNEPEMAAKRESGEEFRMEKLNQLWEKAK
 RLHLSPVRLAELHSDLKIQRDELNWKKLKVEGLDKDGEKEAKLIHNLNVILARYGLDGRKDAQMVHSNA
 LNEDTQDELGDPRLLEKLVHAKATSGKFSSEELDKLWREFLHYKEKIQEYNVLLDTLSRAEEGYENLLSPS
 DMAHIKSDTLISKHSELKDRLSINQGLDRLRKVSHQGYGSTTEFEPRVIDLWDLAQSANFTEKELESF
 REELKHFEAKIEKHNHYQKQLEISHQKLKHVESIGDPEHISRNKEKYVLLLEEKTELGYKVKKHLQDLSS
 RVSRRARHNEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9027_d08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_013587

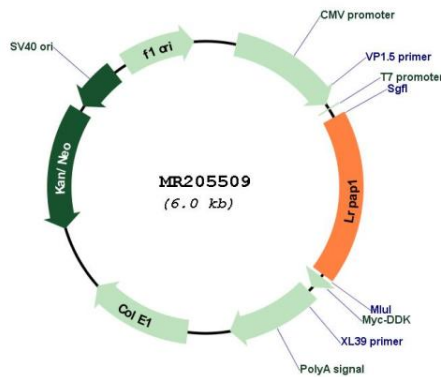
ORF Size: 1080 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_013587.3</u>
RefSeq Size:	2922 bp
RefSeq ORF:	1083 bp
Locus ID:	16976
UniProt ID:	<u>P55302</u>
Cytogenetics:	5 18.01 cM
MW:	42.7 kDa
Gene Summary:	Molecular chaperone for LDL receptor-related proteins that may regulate their ligand binding activity along the secretory pathway.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205509