

Product datasheet for MR220429

Gpr87 (NM_032399) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr87 (NM_032399) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr87
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220429 representing NM_032399 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGTCCCTAATGTGAATGTTTCTACTTTTGCAGGTAATGAGCTGTACAGCCAAGCAAGTCACACTG
CAAACAGCACAAGTGAGGGACATGGGAAGAACTCTACCCTGCACAACAAATTTGACACCATCATCTCGCC
AGTGCTTTACCTAGTTATCTTTGTGGCAAGCATCCTGCTGAACGGTCTGGCCGTGGATCTTCTCCAC
ATTCGGAATAAAACCAGCTTCATATTTTATCTCAAAAATATAGTGGTAGCTGACCTCATCATGACCCTGA
CATTCCCATTCCGAATAGTCCGTGATGCAGGATTCGGACCTTGGTACTTCGAGTTTATCCTCTGCAGATA
CACCTCAGTTTTGTTCTATGCAAACATGTATACATCTATCGTGTTTCTTGGGCTGATCAGTGTTGATCGG
TATCTAAAGGTGGTAAAGCCCTTTGGTGACTCTCGCATGTACAGCATAACCTTCACCAAAGTTTTATCAG
TTTGTGTTGGGTGATCATGGCTATTCTGTCTTGCCAAACATCATACTGACTAATGGGCAGCCAACATA
GGAAAATATTCATGACTGCATGAACTCAAAGTCCGCTGGGAGCCAAGTGGCATATGGCTGTCACCTAT
GTGGACAGCTGTTGTTTGTGGCCGTGCTGGTATCCTGATTGGATGCTACATAGCCATCTCCAGATACA
TCCACAAATCCAGCAGGCAATTCATAAGCCAATCGAGCCGGAAGCGAAAGCACAACCAGAGCATCCGCGT
GGTCGTGGCTGTGTTTTTACCTGCTTCTCCCGTATCACTTGTGCAGAATCCCCTTACCTTCAGTAAC
TTAGACAGGCTTCTGGATGAATCAGCACATAAAATCCTCTACTATTGCAAAGAAATGACACTTTTCTTGT
CTGCGTGCAACGTGTGCCTGGATCCGATAATTTATTTTTTTCATGTGTAAGTCATTTTCAAGAAGGTATT
CAAGAAATCAAACATAAGAACCAGGAGCGAAAGCATCAGGTGCGTGCAAAGCGTCCGAAGATCAGAAGTG
CGCATCTATTATGACTACACTGATGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR220429 representing NM_032399
Red=Cloning site Green=Tags(s)

MAVPNVNVSTFAGNELYSQASHTANSTSEGHGKNSTLHNKFDTIILPVLVLVIFVASILLNGLAVWIFFH
 IRNKTSFIFYLKNIVVADLIMTLTFPFRIVRDAGFGPWYFEFILCRYTSVLFYANMYTSIVFLGLISVDR
 YLKVVKPFGDSRMYISITFTKVL SVCVWVIMAILSLPNIILTNGQPTKENIHDCMKLKSPLGAKWHMAVTY
 VDSCLFVAVLVILIGCYIAISRYIHKSSRQFISQSSRKRKHNSIRVVAVVFCTFLPYHLCRIPFTFSN
 LDRLLDESAHKILYYCKEMTLFLSACNVCLDPIIYFFMCKSF SRRLFKKS NIRTRSESIRSLQSVRRSEV
 RIYYDYTDV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9019_f07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_032399

ORF Size: 1077 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: [NM_032399.1](#), [NP_115775.1](#)

RefSeq Size: 1163 bp

RefSeq ORF: 1080 bp

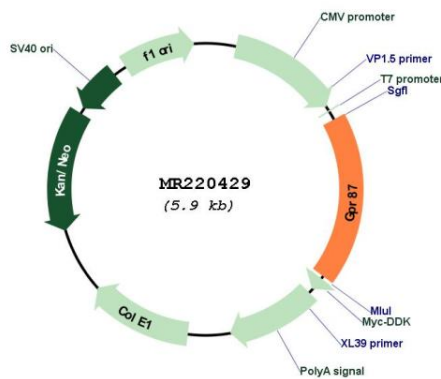
Locus ID: 84111

Cytogenetics: 3 D

MW: 41.9 kDa

Gene Summary: Receptor for lysophosphatidic acid (LPA). Necessary for p53/TP53-dependent survival in response to DNA damage (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220429