

Product datasheet for **MR229470**

Gpr87 (NM_001302203) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr87 (NM_001302203) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr87
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229470 representing NM_001302203 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGCTCAACTTGACGCTTACAAAATTACCAGGTAATGAGCTGTACAGCCAAGCAAGTCACACTGCAA
ACAGCACAAGTGAGGGACATGGGAAGAAGCTACCCCTGCACAACAAATTTGACACCATCATCCTGCCAGT
GCTTTACCTAGTTATCTTTGTGGCAAGCATCCTGCTGAACGGCTGGCCGTGGGATCTTCTCCACATT
CGGAATAAAACCAGCTTCATATTTTATCTCAAAAATATAGTGGTAGCTGACCTCATCATGACCCTGACAT
TCCCATCCGAATAGTCCGTGATGCAGGATTCCGACCTTGGTACTTCGAGTTTATCCTCTGCAGATACAC
CTCAGTTTTGTTCTATGCAAACATGTATACATCTATCGTGTCTTGGGCTGATCAGTGTGATCGGTAT
CTAAAGGTGGTAAAGCCCTTTGGTGACTCTCGCATGTACAGCATAACCTCACCAAAGTTTTATCAGTTT
GTGTTGGGTGATCATGGCTATTCTGTCCTTGCCAAACATCATACTGACTAATGGGCAGCCAAGTAAAGGA
AAATATTCATGACTGCATGAAACTCAAAGTCCGCTGGGAGCCAAGTGGCATATGGCTGTCACCTATGTG
GACAGCTGTTGTTTGTGGCCGTGCTGGTATCCTGATTGGATGCTACATAGCCATCTCCAGATACATCC
ACAAATCCAGCAGGCAATTCATAAGCCAATCGAGCCGGAAGCGAAAGCACAAACCAGAGCATCCGCGTGGT
CGTGGCTGTGTTTTTACCTGCTTCTCCCGTATCACTTGTGAGAATCCCTTTACCTTCAGTAACTTA
GACAGGCTTCTGGATGAATCAGCACATAAAATCCTCTACTATTGCAAAGAAATGACACTTTTCTGTCTG
CGTGCAACGTGTGCTGGATCCGATAATTTATTTTTTCATGTGTAAGTCATTTTCAAGAAGGTTATTTCAA
GAAATCAAACATAAGAACCAGGAGCGAAAGCATCAGGTCGCTGCAAAGCGTCCGAAGATCAGAAGTGCGC
ATCTATTATGACTACACTGATGTG

ACGCGTACGCGGCCGCTCGAGCAGAAAAGTCTCAGAAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR229470 representing NM_001302203
 Red=Cloning site Green=Tags(s)

MGLNLT LTKLPGNELYSQASHTANSTSEGHGKNSTLHNKFDTIILPVLVYLVIFVASILLNGLAVWIFFHI
 RNKTSFIFYLKNIVVADLIMTLTFPFRIVRDAGFGPWYFEFILCRYTSVLFYANMYTSIVFLGLISVDRY
 LKVVKPFGDSRMYSITFTKVLVVCVWVIMAILSLPNIILTNGOPTKENIHDCMKLKSPLGAKWHMAVITYV
 DSCLFVAVLVILIGCYIAISRYIHKSSRQFISQSSRKRKHQSIQSRVVVAVFFTCFLPYHLCRIPFTFNL
 DRLLDESAHKILYYCKEMTLFLSACNVCLDPIIYFFMCKFSRRLFKKSNIRTRSESIRSLQSVRRSEVR
 IYYDYTDV

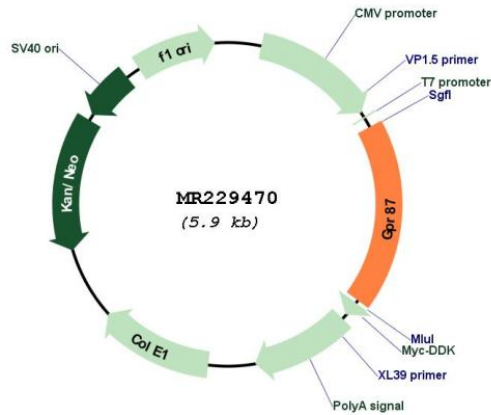
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001302203

ORF Size:	1074 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_001302203.1 , NP_001289132.1
RefSeq Size:	1508 bp
RefSeq ORF:	1077 bp
Locus ID:	84111
UniProt ID:	Q99MT7
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]