

Product datasheet for **MG220429**

Gpr87 (NM_032399) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr87 (NM_032399) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gpr87
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220429 representing NM_032399 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGTCCCTAATGTGAATGTTTCTACTTTTGCAGGTAATGAGCTGTACAGCCAAGCAAGTCACACTG
CAAACAGCACAAGTGAGGGACATGGGAAGAAGCTACCCCTGCACAACAAATTTGACACCATCATCTGCC
AGTGCTTTACCTAGTTATCTTTGTGGCAAGCATCCTGCTGAACGGTCTGGCCGTGGATCTTCTCCAC
ATTCGGAATAAAACCAGCTTCATTTTTATCTCAAAAATATAGTGGTAGCTGACCTCATCATGACCCTGA
CATTCCCATCCGAATAGTCCGTGATGCAGGATTCGGACCTTGGTACTTCGAGTTTATCCCTGCAGATA
CACCTCAGTTTTGTTCTATGCAAACATGTATACATCTATCGTGTTTCTTGGGCTGATCAGTGTGATCGG
TATCTAAAGGTGGTAAAGCCCTTTGGTGACTCTCGCATGTACAGCATAACCTTCACCAAAGTTTTATCAG
TTTGTGTTTGGGTGATCATGGCTATTCTGTCTTGCCAAACATCATACTGACTAATGGGCAGCCAACTAA
GGAAAATATTCATGACTGCATGAAACTCAAAGTCCGCTGGGAGCCAAGTGGCATATGGCTGTCACCTAT
GTGGACAGCTGTTTGTGTTGTGGCCGTGCTGGTATCCTGATTGGATGCTACATAGCCATCTCCAGATACA
TCCACAAATCCAGCAGGCAATTCATAAGCCAATCGAGCCGGAAGCGAAAGCACAACCAGAGCATCCGCGT
GGTCGTGGCTGTGTTTTTACCTGCTTCTCCCGTATCACTTGTGCAGAATCCCTTTACCTTCAGTAAC
TTAGACAGGCTTCTGGATGAATCAGCACATAAAATCCTCTACTATTGCAAAGAAATGACACTTTTCTTGT
CTGCGTGAACGTGTGCCTGGATCCGATAATTTATTTTTTCATGTGTAAGTCATTTTCAAGAAGGTATT
CAAGAAATCAAACATAAGAACCAGGAGCGAAAGCATCAGGTGCGTGCAAAGCGTCCGAAGATCAGAAGTG
CGCATCTATTATGACTACACTGATGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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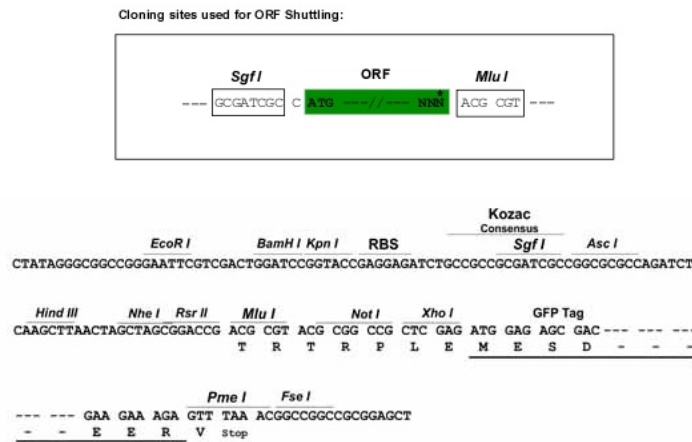
Protein Sequence: >MG220429 representing NM_032399
 Red=Cloning site Green=Tags(s)

MAVPNVNVSTFAGNELYSQASHTANSTSEGHGKNSTLHNKFDTIILPVLVLFVIFVASILLNGLAVWIFFH
 IRNKTSFIFYLKNIVVADLIMTLTFPFRIVRDAGFGPWYFEFILCRYTSVLFYANMYTSIVFLGLISVDR
 YLKVVKPFPGDSRMYSITFTKVL SVCVWVIMAILSLPNIILTNGQPTKENIHDCMKLKSPLGAKWHMAVTY
 VDSCLFVAVLVILIGCYIAISRYIHKSSRQFISQSSRKRKHNSIRVVAVVFFTCFLPYHLCRIPFTFSN
 LDRLLDESAHKILYYCKEMTLFLSACNVCLDPIIYFFMCKSF SRRLFKKS NIRTRSESIRSLQSVRRSEV
 RIYYDYTDV

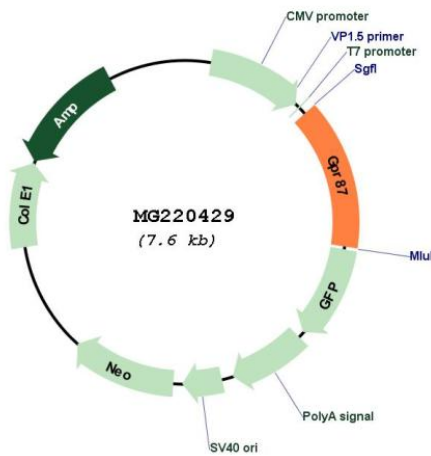
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<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_032399.1 , NP_115775.1
RefSeq Size:	1163 bp
RefSeq ORF:	1080 bp
Locus ID:	84111
Cytogenetics:	3 D
Gene Summary:	Receptor for lysophosphatidic acid (LPA). Necessary for p53/TP53-dependent survival in response to DNA damage (By similarity).[UniProtKB/Swiss-Prot Function]