

Product datasheet for MG211136

Grm1 (BC067057) Mouse Tagged ORF Clone

Product data:

ACCN:

ORF Size:

- · · -	
Product Type:	Expression Plasmids
Product Name:	Grm1 (BC067057) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Grm1
Synonyms:	mGluR1, 4930455H15Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling:

Sgfl

GCGATCGC

Mlu I
 Hind III
 Nhe I
 Rsr II
 Miu I
 Not I
 Xho I
 GFP Tag

 CAAGCTTAACTAGCGACGGACGGACG
 ACG CGT ACG CGG CGC CGC GAG ATG GAG AGG GAC
 T
 R
 T
 R
 P
 L
 E
 M
 E
 S
 D

BamH I Kpn I

EcoR I

Nhe I Rsr II

Hind III

BC067057

2720 bp

ORF

RBS

Mlu I

ACG CGT

Kozac Sgf I

Asc I

GFP Tag

OriGene Technologies, Inc.

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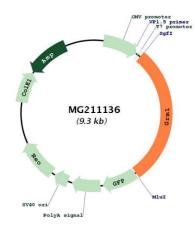
Grm1 (BC067057) Mouse Tagged ORF Clone – MG211136

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 <u>custsupport@origene.com</u> 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. <u>More info</u>
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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>BC067057, AAH67057</u>
RefSeq Size:	4437 bp
RefSeq ORF:	2720 bp
Locus ID:	14816
Cytogenetics:	10 A1
Gene Summary:	G-protein coupled receptor for glutamate. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Signaling activates a phosphatidylinositol-calcium second messenger system. May participate in the central action of glutamate in the CNS, such as long-term potentiation in the hippocampus and long-term depression in the cerebellum (By. similarity).[UniProtKB/Swiss-Prot Function]

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Product images:



Circular map for MG211136

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