

Product datasheet for **MG205188**

Gmpr (BC010827) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gmpr (BC010827) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gmpr
Synonyms:	2310004P21Rik; AV028449; GMPR 1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205188 representing BC010827 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCCGCATAGACGGGACCTTAAACTCGACTTCAAGGATGTTCTGCTGCGACCTAAGCGGAGCAGCC
TCAAGAGCCGATCCGAGGTGGATCTTGAGCGAACTTTTACATTTGAAACTCGAAACAACTACTCAGG
GATTCCCATCATTGTGGCCAACATGGACACTGTGGGGACATTTGAGATGGCTGTGGTGATGTCACAGCAT
GCCATGTTTACAGCCGTTACAAGCACTACTCCCTGGATGACTGGAATGTTTTGCGGAAACCCACCCCG
AATGCCTGCAGCATGTAGCCGTGAGTTCTGGCAGCGGGCAGAATGATCTTGAGAGGATGAGCCGCATCTT
GGAAGCTGTGCCTCAGGTGAAGTTCATCTGCCTGGATGTGGCCAATGGGTATTCAGAGCATTTTGTGGAA
TTCGTGAAACTGGTCCGATCCAATTCCCCGAACACCATCATGGCAGGGAACGTGGTGACCGGAGAGA
TGGTGGAAGAGCTCATCCTCTCTGGAGCAGATATCATCAAAGTGGGAGTCGGACCAGGTTCTGTGTGCAC
CACCCGAACCAAGACAGGAGTGGGCTACCCGCAGCTGAGTGCGGTGATAGAGTGTGCTGACTCCGCCAT
GGCCTCAAGGGGCACATCATCTCTGATGGAGGCTGCACATGTCCAGGAGATGTCGCCAAAGCCTTTGGAG
CTGGTGCAGACTTTGTCTGCTGGGAGGCATGTTTTAGGCCACACCGAGTGTGCAGGTGAGGTGATCGA
GAGGAACGGGCAGAAGCTGAAACTCTTCTATGGCATGAGCTCAGACACAGCCATGAAGAAACACGCAGGA
GGCCTCGCCGAGTACAGGGCCTCCGAGGGCAAGACCGTGAAGTGCCTTACAAAGGGGACGTGGAGAACA
CCATTCTGGATATCCTTGGAGGACTGCGCTCCACCTGTACCTACGTGCGGGCTGCCAAGCTCAAAGAGCT
CAGCAGGAGAGCCACGTTATCCGGGTGACCCAACAGCACAACACGGTGTGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG205188 representing BC010827
 Red=Cloning site Green=Tags(s)

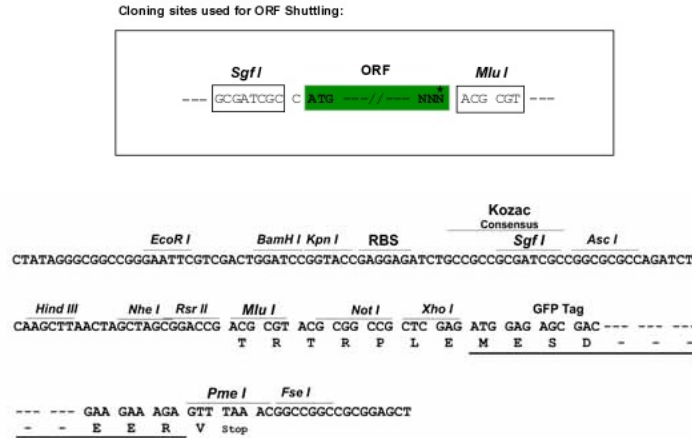
MPRIDADLKLDFKDVLLRPKRSSLKSRSEVDLERTFTFRNSKQTYSGIPIIVANMDTVGTFEMAVVMSQH
 AMFTAVHKHYSLLDDWKCFAETHPECLQHVAVSSGSGQNDLERMSRILEAVPQVKFICLDVANGYSEHFVE
 FVKLVRSKFPEHTIMAGNVVTGEMVEELILSGADIKVGVGPGSVCTTRTKTGVGYPQLSAVIECADSAH
 GLKGHIISDGGCTCPGDVAKAFGAGADFVMLGGMFSGHTECAGEVIERNGQKLKLFYGMSSDTAMKKHAG
 GVAEYRASEGKTVEVPYKGDVENTILDILGGLRSTCTYVGAALKKELSRATFIRVTQHQHNTVFG

TRTRPLE - GFP Tag - V

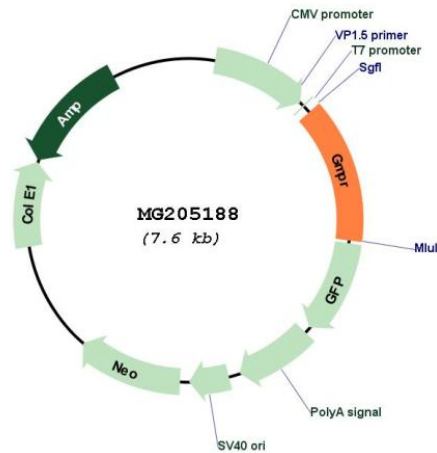
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC010827

ORF Size: 1037 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:	BC010827 , AAH10827
RefSeq Size:	1595 bp
RefSeq ORF:	1037 bp
Locus ID:	66355
Cytogenetics:	13 A5
Gene Summary:	A similar gene in human encodes an enzyme that catalyzes the irreversible and NADPH-dependent reductive deamination of GMP to IMP. The protein also functions in the re-utilization of free intracellular bases and purine nucleosides. [provided by RefSeq, May 2015]