

Product datasheet for **RR200897**

Gmpr2 (NM_001013036) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gmpr2 (NM_001013036) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gmpr2
Synonyms: MGC108877
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200897 representing NM_001013036
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCTCATATTGACAATGATGTGAACTAGACTTCAAGGATGTCCTGTTGAGGCCAAACGCAGCACTC
TAAAGTCTCGAAGTGAGGTAGATCTCACAAGATCATTTTCATTCCGGAACCAAAGCAGATGTACAGTGG
CATCCCCATATTGCTGCCAATATGGATACCGTGGGTACTTTTGAATGGCTAAGTTCTCTGTAAGTTT
TCCTGTTCACTGCCATCCATAAGCACTACAGCATCCATCAGTGGCAAGAGTTTGCTAACCAAGAATCCTG
ACTGTCTTGAGTATCTAGCTGCCAGCTCAGGCACAGGCTCTGCTGACTTTGAGCAGCTGGAACAGATCCT
AGAAGCTATCCCCAAGTCAAATATATATGCTGGATGTGGCTAATGGCTACTCAGAACATTTTGTGAA
TCCGTAAGGATGTACGGAAGCGATTCCCCAACACACCATCATGGCAGGCAATGTGGTAACAGGAGAGA
TGGTAGAAGAGCTAATCCTCTCTGGGGCTGACATCAAAGTGGGAATTGGTCTGGCTCTGTCTGTAC
AACTCGGAAGAAAACGGAGTTGGGTATCCACAGCTCAGTGCAGTGTGGAGTGTGCAGATGCTGCTCAT
GGCCTCAAAGGCCACATCATTTTCAGACGGAGGCTGCAGCTGCCCTGGAGATGTGGCAAAGGCCTTGGCG
CAGGGGCTGACTTTGTGATGCTGGTGGCATGCTGGCCGGCAGTGAATCAGGTGGTGAATCATTGA
GAGAAATGGCAAGAAATACAAGCTTCTATGGAATGAGTCTGAAATGGCTATGAAGAAGTATTCAGGA
GGCGTGGCTGAGTACAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200897 representing NM_001013036
 Red=Cloning site Green=Tags(s)

MPHIDNDVKLDFKDVLLRPKRSTLKSRSSEVDL TRSF SFRNSKQMYSGIPIIAANMDTVGTFEMAKVLCKF
 SLFTAIHKHYSIHQWQEFANQNPDCLEYLAASSGTGSADFEQLEQILEAIPQVKYICLDVANGYSEHFVE
 SVKDVRKRFPQHTIMAGNVVTGEMVEELILSGADIKVGIGPGSVCTTRKKTGVGY PQL SAVMECADA AH
 GLKGGHII SDGGCSCP GDVAKAFGAGADFVMLGGMLAGHSESGGELIERNGKKYKLFYGMSSSEMAMKKYSG
 GVAEYR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

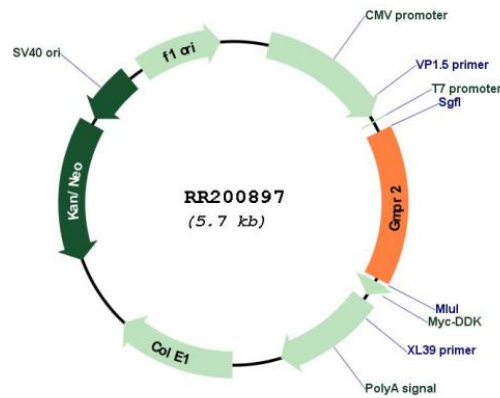
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001013036

ORF Size: 858 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_001013036.1 , NP_001013054.1
RefSeq Size:	2167 bp
RefSeq ORF:	861 bp
Locus ID:	192357
Cytogenetics:	15p13
MW:	31.2 kDa