

Product datasheet for **RR211926**

Gmppb (NM_001108781) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gmppb (NM_001108781) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gmppb
Synonyms: RGD1560458
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211926 representing NM_001108781
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGGCACTGATCTTGGTGGGTGGGTATGGGACACGGTTGCGGCCGCTGACGCTGAGCACTCCGAAGC
CATTGGTGGACTTCTGCAATAAGCCATTTTGTGTCACCAAGTGGAGGCACTTCCCGCGCGGGTGTAGA
CCATGTGATCCTAGCAGTGAGCTACATGTCACAGATGTTGGAGAAGGAAATGAAGGCACAAGAGCAAAGG
CTTGGAATCCGAATCTCTATGTCTCATGAAGAGGAGCCTTTGGGAACAGCTGGGCCCTCTGGCCTTGCC
GAGACCTACTCTGAGACTGCCGATCCTTTCTCGTTCTCAACAGTGATGTGATATGTGATTTCCCTT
CCAAGCCATGGTGCAGTTTCATCGACACCATGGCCAAGAGGGCTCCATCTTGGTAACCAAGGTGGAAGAG
CCTTCCAAGTACGGTGTGGTGGTGTGCGAGGCTGACACAGGCCGATTACCGTTTTGTTGAGAAGCCGC
AGGTATTTGTGTCCAATAAGATCAATGCAGGCATGTACATCCTGAGCCCTGCTGTGCTGCAGCGCATCCA
GCTGAAGCCTACATCCATTGAGAAGGAGATCTTCCCAGTTATGGCCAAGGAGGGGAGCTATATGCCATG
GAGCTGCAGGGCTTCTGGATGGACATTGGACAGCCTAAGGACTTCTCACTGGCATGTGCCTCTTCTAC
AGTCACTGAGACAGAAGCATCCAGAGAGACTGTACTCAGGCCCTGGCGTTGTGGGGAATGTGCTTGTGGA
CCCAAGTGCCCGTATCGGTGAGAACTGCAGCATTGGCCCAATGTGAGCCTGGGTCCCGGTGTGGTGGTG
GAGGACGGCGTGTGCATCCGGCGGTGCACGGTGTTCGTGATGCTCACATCCGCTCCCATTCCTGGCTTG
AGTCATGCATCGTGGCTGGCGTCCGCTGTAGGCCAATGGGTGCGCATGGAGAATGTCACAGTGTGGG
TGAGGATGTCATAGTTAATGATGAACTTACCTCAACGGAGCCAGCGTGTGCCCAAGTCTATCGGG
GAGTCGGTGCCAGAACCTCGTATTATCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211926 representing NM_001108781
 Red=Cloning site Green=Tags(s)

MKALILVGGYGTRLRPLTLSTPKPLVDFCNKPILLHQVEALAAAGVDHVILAVSYMSQMLEKEMKAQEQR
 LGIRISMSHEEPLGTAGPLALARDLLSETADPFFVLNSDVICDFPFQAMVQFHRHHGQEGSILVTKVEE
 PSKYGVVVCEADTGRIHRFVEKPQVFVSNKINAGMYILSPA VLQR IQLKPTSIEKEIFPVMAKEGQLYAM
 ELQGFWMDIGQPKDFLTGMCLFLQSLRQKHPERLYSGPGVVGNVLVDP SARIGQNC SIGPNVSLGPGVVV
 EDGVCIRRCTVLRDAHIRSHSWLESCIVGWRCRVGQWVRMENVTLGEDVIVNDELYLNGASVLPKHSIG
 ESVPEPRIIM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

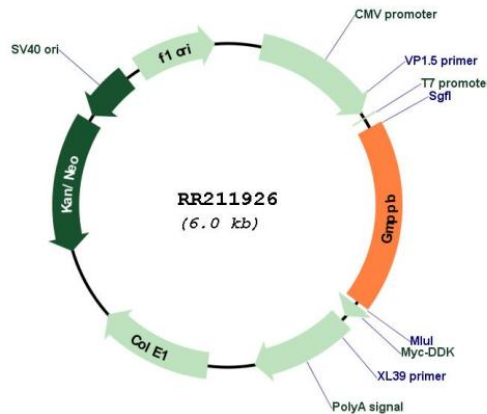
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108781

ORF Size:	1080 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_001108781.1 , NP_001102251.1
RefSeq Size:	1923 bp
RefSeq ORF:	1083 bp
Locus ID:	363145
Cytogenetics:	8q32
MW:	39.9 kDa