

## Product datasheet for **RN214194**

### **Gbp2 (NM\_133624) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gbp2 (NM_133624) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gbp2
Synonyms:	MGC93208
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN214194 representing NM\_133624  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACATGGCCTCGGAGATCCACATGTTACAACCCATGTGCCTCATTGAGAACACTGAGGCTCACCTAG  
 TGATCAACCAGGAGGCTCTGAGGATTTGTCTGCCATCAACCAGCCTGTGGTGGTGGCAATCGTGGG  
 CCTCTACCGCACAGGCAATCCTACCTGATGAACAAATTGGCTGGGAAGAGAACAGGCTTCTCCCTGGG  
 TCCACTGTGCAGTCTCACACCAAGGGCATCTGGATGTGGTGTGTGCCTCACCCCAAGAAGGCAGGGCAAA  
 CCCTAGTTCTGCTTGACACCGAGGGCCTTGAAGATGTTGAGAAGGGAGACAACCAGAACGACTGCTGGAT  
 CTTTGCCTTGGCAGTCTCCTCAGCAGCACCTTCGTCTACAACAGCATGGGAACCATCAACCAGCAGGCC  
 ATGGACCAGCTGCATTATGTGACAGAGCTGACTGATCTTATCAAGTCAAAGTCATCACCTGATCAGAGTG  
 GGATAGACGACTCTGCTAACTTTGTGGCTTCTTCCAACCTTTGTGGGCTCTGAGAGATTTCTCCCT  
 GGAGTTGGAAGTCAATGGAAAATTGTCACTCCTGATGAGTACCTGGAGCATTGCTGACCTGAAGAAA  
 GGAGCTGATAAGAAAATAAAAGCTTAAATGAGCCTCGACTGTGCATCAGGAAATCTTTCCGAAGAGGA  
 AGTGTTCATCTTTGACAGACCTGCTCTGAGGAAGCAACTCTGCAAACTGGAGACTCTGGGGGAGGAGGA  
 GCTGTGTAGTGAGTTTGTAGAACAAGTTGCAGAATTCACCTCGTATATCTTCAGTTACTCTGCTGTCAAA  
 ACTCTGTCTGGTGGCATCATAGTCAATGGGCCACGTCTAAAGAGCCTGGTGCAGACCTATGTTGGTGCCA  
 TCAGCAGTGGGTCTCTCCCTGCATGGAGAGTGCAGTCTGACTTTGGCCAGATAGAGAACTCAGCTGC  
 AGTACAAAAGGCCATCACCCACTATGAAGAACAGATGAATCAGAAAATCCAGATGCCACAGAAACCCTC  
 CAGGAGCTGTAGACCTGCACAGGCTGATTGAGAGGGAGGCCATTGAGATCTTCTAAAGAATCTTTCA  
 AGGATGTAGACCAGAAGTCCAGACAGAATTAGGGAACCTGTGATATCAAAGCGAGATGCCTTTATTAA  
 GAAGAACTCGGATGTATCATCAGCTCATTGTTCCAGATCTGATAGAGGATATTTTTGGACCTCTGGAAGAA  
 GAAGTAAAACAAGGGACATTTTCCAACCAGGAGTTACTTCTCTTCTCAGATGAGACAAGAGCTAG  
 AGAAGAAGTATAACCAGGCTCCTGGGAAGGGGCTCGAGGCAGAAGCGGTGCTGAAAAAGTACTTTGAGTC  
 CAAGGAAGACATTGTTGAAACACTTCTAAAGACGGATCAGTCACTCACGGAGGCAGCAAAGGAGATTGAA  
 GTGGAACGGATTAAGGCTGAACTGCTGAAGCTGCAAACAGAGAGTTAGCAGAGAAGCAGGAGAAGTTTG  
 AGCTGATGATGCAGCAGAAGGAAGAGAGTTACCAGGAGCAGTGAGACAGCTGACTGAGAAGATGAAGGA  
 GGAACAGAAAAAGTTAATAGAAGAACAGGACAACATCATAGCTCTTAAACTTCGGGAACAGGAAAAATTT  
 CTCAGGGAAGGATACGAGAACGAGAGCAAGAACTTCTCGAGAGATTGAGAACATGAAGAGACGACAAT  
 CACCTGGGAAATGCACCATACT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_133624
- Insert Size:** 1776 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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:**

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\\_133624.2](#), [NP\\_598308.1](#)

**RefSeq Size:** 2395 bp

**RefSeq ORF:** 1776 bp

**Locus ID:** 171164

**UniProt ID:** [Q63663](#)

**Cytogenetics:** 2q44

**Gene Summary:** in vitro substrate for isoprenylation by geranylgeranylpyrophosphate [RGD, Feb 2006]