

## Product datasheet for **RR206801**

### Gpm6b (NM\_138846) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gpm6b (NM_138846) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpm6b
Synonyms:	M6b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR206801 representing NM_138846 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAAGCCAGCCATGGAACTGCAGCCGAGGAAAATACTGAACAAAGCCAAGAGAGAAAAGGTTGCTTCG  
AATGCTGCATCAAGTGTCTGGGAGGAGTCCCTATGCCTCCCTAGTGGCCACCATCCTATGTTTCTCGGG  
AGTCGCCTTGTTCTGTGGCTGTGGACATGTGGCTCTTGACAGGCACCGTGGCAATTCCTGAGCAACACTTC  
TCCACCAACACCAGTGACCATGCCTTGCTGAGCGAAGTGATCCAAGTATGCAGTATGCATCTATGGAA  
TCGCGTCTTTTTCTTCCTGTACGGTATCATTCTGCTGGCAGAAGGCTTCTACACCACAAGTGCAGTGAA  
AGAGCTGCACGGTGAAGTAAAAACAAGTGCCTGTGGACGATGCATCAGTGGAAATGTTTCGTGTTCCCTACC  
TATGTGCTGGGAGTGGCCTGGCTGGGTGTGTTCCGGCTTTCTGCAGTGCCAGTGTATGTTCTACAATA  
TCTGGTCAACCTGTGAAGTCATCAAGTCCCACAAAGCAATGGGACCTCGGGTGTGGAGCAGATCTGTGT  
GGATGTCCGGCAATACGGTATCATTCTTGAACGCTTTCCAGGCAAAATCTGTGGCTCTGCCCTGGAG  
AACATCTGCAACCAATGAGTTCTACATGTCTATCATCTGTTTCATTGTGGCTTGTGCTGGAGCTGGTG  
CCACCGTCATTGCCCTGCTGATCTACATGATGGCTACTACATATAACTATGCGGTTTTGAAGTTAAGAG  
TCGGGAAGACTGCTGCCCTAAGTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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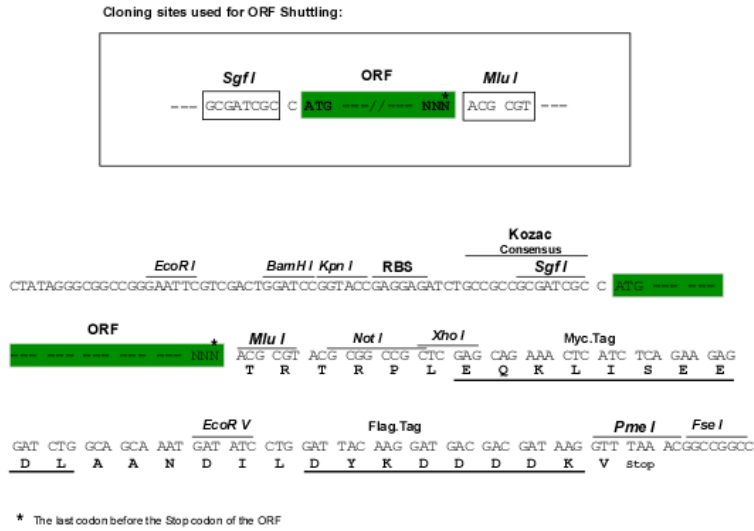
**Protein Sequence:** >RR206801 representing NM\_138846  
Red=Cloning site Green=Tags(s)

MKPAMETAAEENTEQSQRKGCFECCIKCLGGVPYASLVATILCFSGVALFCGCGHVALAGTVAILEQHF  
 STNTSDHALLSEVIQLMQYVIYGIASFFFLYGIILLAEGFYTTSAVKELHGEFKTTACGRCSGMFVFLT  
 YVLGVAWLGVFGFSAVPVFMFYNIWSTCEVIKSPQSNGTSGVEQICVDVRQYGIIPWNAFPGKICGSALE  
 NICNTNEFYMSYHLFIVACAGAGATVIALLIYMMATTYNYAVLKFKSREDCCPKF

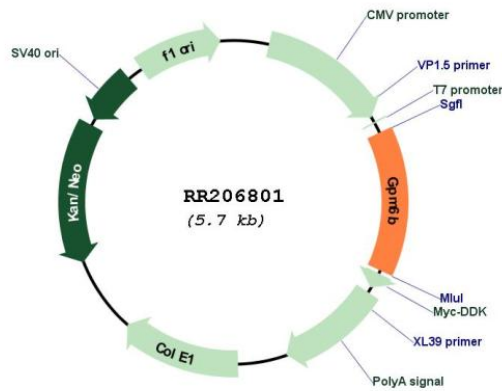
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_138846  
**ORF Size:** 795 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_138846.1</a> , <a href="#">NP_620201.1</a>
<b>RefSeq Size:</b>	2099 bp
<b>RefSeq ORF:</b>	798 bp
<b>Locus ID:</b>	192179
<b>UniProt ID:</b>	<a href="#">Q9JJK1</a>
<b>Cytogenetics:</b>	Xq13-q14
<b>MW:</b>	29 kDa
<b>Gene Summary:</b>	mouse homolog is involved in cerebellar neurite outgrowth [RGD, Feb 2006]