

## Product datasheet for **MG223323**

### Gpm6b (NM\_001177962) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gpm6b (NM\_001177962) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Gpm6b  
**Synonyms:** A1593561; Gpm6; M6B  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG223323 representing NM\_001177962  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGTTGCTTCGAATGCTGCATCAAGTGTCTGGGAGGAGTTCCTATGCCTCCCTGGTGGCCACCATCC  
TATGTTTCTCTGGAGTGGCCTTGTCTGTGGCTGTGGGCATGTGGCTCTGCAGGCACCGTGCCAATTCT  
TGAGCAACACTTCTCCACCAACACCAGTGACCATGCCTTGCTGAGTGAAGTGATCCAAGTGCAGTAT  
GTTATCTATGGAATCGCCTCCTTTTCTCCTGTATGGCATATTCTTCTGGCAGAAGGCTTCTACACCA  
CAAGTGCAGTGAAGAGCTGCACGGTGAAGTAAAACAAGTGCCTGTGGCCGATGCATCAGTGAATGTT  
CGTGTTCCTCACCTATGTGCTGGGAGTGGCCTGGCTGGGTGTGTTTCGGCTTTCCGAGTGCCAGTGTTT  
ATGTTCTACAACATCTGGTCAACCTGTGAAGTCATCAAGTCCCCACAAAGCAACGGGACCTCGGGTGTGG  
AGCAGATCTGTGTGGATGTCCGGCAATATGGTATCATTCTTGAATGCTTTCCAGGCAAAATCTGTGG  
CTCGGCCTTGGAGAACATCTGCAACACGAATGAGTTTACATGTCCTATCACCTGTTTATTGTGGCTTGT  
GCTGGAGCTGGTCCACCGTCATTGCCCTGCTGATCTACATGATGGCTACTACATATAAATATGCGGTTT  
TGAAGTTAAGAGTCGGGAAGACTGCTGCACTAAGTTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG223323 representing NM\_001177962  
Red=Cloning site Green=Tags(s)

MGCFECCIKCLGGVPYASLVATILCFSGVALFCGCGHVALAGTVAILEQHFSTNTSDHALLSEVIQLMQY  
 VIYGIASFFFLYGIILLAEGFYTTSAVKELHGEFKTTACGRICSGMFVFLTYVLGVAWLGVFGFSAVPVF  
 MFYNIWSTCEVIKSPQSNGTSGVEQICVDVRQYGIIPWNAFPGKICGSALENICNTNEFYMSYHLFIVAC  
 AGAGATVIALLIYMMATTYNYAVLKFKSREDCCTKF

TRTRPLE - GFP Tag - V

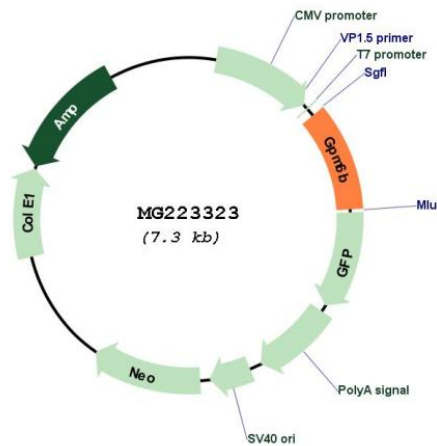
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001177962

**ORF Size:** 738 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_001177962.1</a> , <a href="#">NP_001171433.1</a>
<b>RefSeq Size:</b>	3023 bp
<b>RefSeq ORF:</b>	741 bp
<b>Locus ID:</b>	14758
<b>UniProt ID:</b>	<a href="#">P35803</a>
<b>Cytogenetics:</b>	X F5
<b>Gene Summary:</b>	May be involved in neural development. Involved in regulation of osteoblast function and bone formation. Involved in matrix vesicle release by osteoblasts; this function seems to involve maintenance of the actin cytoskeleton. May be involved in cellular trafficking of SERT and thereby in regulation of serotonin uptake.[UniProtKB/Swiss-Prot Function]