

Product datasheet for MC208585

Gpm6b (NM_001177959) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpm6b (NM_001177959) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gpm6b
Synonyms:	AI593561; Gpm6; M6B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208585 representing NM_001177959 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGCCAGCCATGGAACTGCAGCCGAGGAAAATACTGAACAAAGCCAAGAGAGAAAAGGTTGCTTCG
 AATGCTGCATCAAGTGTCTGGGAGGAGTTCCCTATGCCTCCCTGGTGGCCACCATCCTATGTTTCTCTGG
 AGTGGCCTTGTCTGTGGCTGTGGCATGTGGCTCTTGCCAGGCACCGTGGCAATCTTGAGCAACACTTC
 TCCACCAACACCAGTGACCATGCCTTGCTGAGTGAAGTGATCCAAGTATGCAGTATGTTATCTATGGAA
 TCGCCTCCTTTTCTTCTGTATGGCATATTCTCTGGCAGAAGGCTTCTACACCACAAGTGCAGTGAA
 AGAGCTGCACGGTGAGTTTAAACAACCTGCCTGTGGCCGATGCATCAGTGAATGTTCTGTGTTCTCACC
 TATGTGTCTGGGAGTGGCCTGGCTGGGTGTGTTCCGCTTTTCCGCAAGTGCAGTGTGTTATGTTCTACAACA
 TCTGGTCAACCTGTGAAGTCATCAAGTCCCCACAAAGCAACGGGACCTCGGGTGTGGAGCAGATCTGTGT
 GGATGTCCGGCAATATGGTATCATTCTTGGAATGCTTTCCAGGCAAAATCTGTGGCTCGGCCTTGGAG
 AACATCTGCAACACGAATGAGTTCTACATGTCCTATCACCTGTTTCATTGTGGCTGTGCTGGAGCTGGTG
 CCACCGTCATTGCCCTGCTGATCTACATGATGGCTACTACATATAACTATGCGGTTTTGAAGTTTAAGAG
 TCGGGAAGACTGCTGCTACTAAGTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001177959
Insert Size:	798 bp


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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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001177959.1</u> , <u>NP_001171430.1</u>
RefSeq Size:	4828 bp
RefSeq ORF:	798 bp
Locus ID:	14758
UniProt ID:	<u>P35803</u>
Cytogenetics:	X F5
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (6) lacks an in-frame exon in the 5' region and has an additional segment in the 3' region,, as compared to variant 1. The resulting isoform (5) lacks an internal segment and has a shorter and different C-terminus, as compared to isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>