

## Product datasheet for SC300381

### GPM6B (NM\_001001995) Human Untagged Clone

#### Product data:

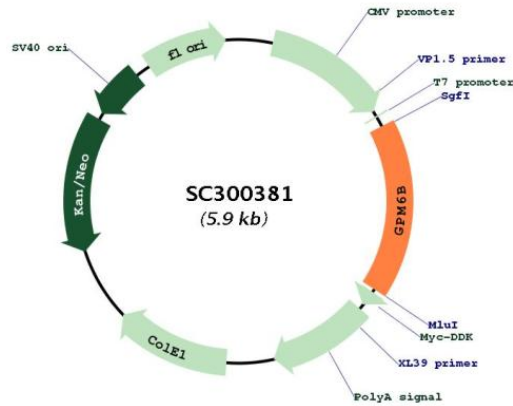
Product Type:	Expression Plasmids
Product Name:	GPM6B (NM_001001995) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPM6B
Synonyms:	M6B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300381 representing NM_001001995. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGAAGCCAGCCATGGAACTGCAGCCGAGGAAAATACTGAACAAAGCCAAGAGAGAAAAGTGAACAGC
AGAGCTGAAATGGAAATTGGCAGGTACCACTGGATGTACCCAGGCTCAAAGAACCACCAGTACCATCCC
GTGCCAACCTGGGGACAGGGCTAGCCCCTTGAGCAGTCCAGGCTGCTTTGAATGCTGCATCAAGTGT
CTGGGAGGAGTCCCCTACGCCTCCCTGGTGGCCACCATCCTCTGCTTCTCCGGGGTGGCCTTATTCTGC
GGCTGTGGGCATGTGGCTCTCGCAGGCACCGTGGCGATTCTTGAGCAACACTTCTCCACCAACGCCAGT
GACCATGCCTTGCTGAGCGAGGTGATACTGATGCAGTATGTCATCTATGGAATTGCGTCCTTTTTTC
TTCTTGTATGGGATCATTCTGTTGGCAGAAGGCTTTTACACCACAAGTGCAGTGAAGAAGTGCACGGT
GAGTTTAAACAACCGCTTGTGGCCGATGCATCAGTGAATGTTTCGTTTTCTCACCTATGTGCTTGGGA
GTGGCCTGGCTGGGTGTGTTTGGTTTCTCAGCGGTGCCGTGTTTATGTTCTACAACATATGGTCAACT
TGTGAAGTCATCAAGTCAACCGCAGACCAACGGGACCACGGGTGTGGAGCAGATCTGTGTGGATATCCGA
CAATACGGTATCATTCTTGAATGCTTTCCCGGAAAAATATGTGGCTCTGCCCTGGAGAACATCTGC
AACACAAACGAGTTCTACATGCCTATCACCTGTTTATTGTTGGCTGTGCAGGAGCTGGTCCACCGTC
ATTGCCCTGATCCACTTCTCATGATACTGTCTTAACTGGGCTTACTTAAAGGATGCGAGCAAAATG
CAGGCTTACCAGGATATCAAAGCAAAGGAAGAACAGGAAGTGAAGATATCCAGTCTCGGTCAAAGAA
CAACTCAATTCTTACACA TAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_001001995

**Insert Size:** 987 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_001001995.2](#)

**RefSeq Size:** 3423 bp

**RefSeq ORF:** 987 bp

**Locus ID:** 2824

UniProt ID: [Q13491](#)

Cytogenetics: Xp22.2

Protein Families: Transmembrane

MW: 36.2 kDa

**Gene Summary:** This gene encodes a membrane glycoprotein that belongs to the proteolipid protein family. Proteolipid protein family members are expressed in most brain regions and are thought to be involved in cellular housekeeping functions such as membrane trafficking and cell-to-cell communication. This protein may also be involved in osteoblast differentiation. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are located on chromosomes Y and 22. [provided by RefSeq, Jan 2016]  
Transcript Variant: This variant (1) encodes the longest protein (1). 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.