

Product datasheet for **SC300380**

GPM6B (NM_001001994) Human Untagged Clone

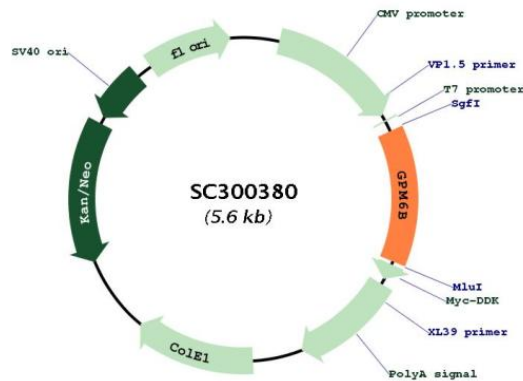
Product data:

Product Type:	Expression Plasmids
Product Name:	GPM6B (NM_001001994) 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:	>SC300380 representing NM_001001994. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCTGCTTTGAATGCTGCATCAAGTGTCTGGGAGGAGTCCCCTACGCCTCCCTGGTGGCCACCATC
CTCTGCTTCTCCGGGTGGCCTTATTCTGCGGCTGTGGGCATGTGGCTCTCGCAGGCACCGTGGCGATT
CTTGAGCAACACTTCTCCACCAACGCCAGTGACCATGCCTTGCTGAGCGAGGTGATACAACCTGATGCAG
TATGTCATCTATGGAATTGCGTCCTTTTCTTCTTGTATGGGATCATTCTGTTGGCAGAAGGCTTTTAC
ACCACAAGTGCAGTGAAGAAGTGCACGGTGAGTTTAAACAACCGCTTGTGGCCGATGCATCAGTGGA
ATGTTTCGTTTTCTCACCTATGTGCTTGGAGTGGCCTGGCTGGGTGTGTTGGTTTCTCAGCGGTGCC
GTGTTTATGTTCTACAACATATGGTCAACTTGTGAAGTCATCAAGTCACCGCAGACCAACGGGACCAG
GGTGTGGAGCAGATCTGTGTGGATATCCGACAATACGGTATCATTCCCTTGGAAATGCTTTCCCGGAAAA
ATATGTGGCTCTGCCCTGGAGAACATCTGCAACACAAACGAGTTCTACATGTCCTATCACCTGTTTATT
GTGGCCTGTGCAGGAGCTGGTGCCACCGTCATTGCCCTGCTGATCTACATGATGGCTACTACATATAAC
TATGCGGTTTTGAAGTTAAGAGTCGGGAAGATTGCTGCACTAAATCTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



Plasmid Map:


ACCN: NM_001001994

Insert Size: 741 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_001001994.2](#)

RefSeq Size: 4699 bp

RefSeq ORF: 741 bp

Locus ID: 2824

UniProt ID: [Q13491](#)

Cytogenetics: Xp22.2

Protein Families: Transmembrane

MW: 26.8 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 (4) uses an alternate exon structure in the 5' UTR and 5' coding region and uses an alternate splice site in the 3' terminal exon compared to variant 1. The encoded protein (isoform 4) is shorter and has distinct N- and C-termini, compared to isoform 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.