

## Product datasheet for SC305996

### MPIG6B (NM\_138277) Human Untagged Clone

#### Product data:

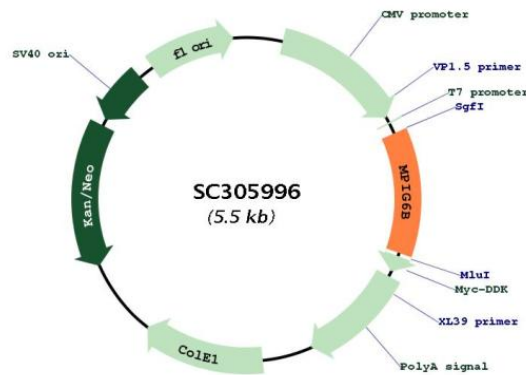
Product Type:	Expression Plasmids
Product Name:	MPIG6B (NM_138277) Human Untagged Clone
Tag:	Tag Free
Symbol:	MPIG6B
Synonyms:	C6orf25; G6b; G6b-B; NG31; THAMY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305996 representing NM_138277. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGTGTTTCTGCAGCTGCTACCGCTGCTGCTCTCGAGGGCCCAAGGGAACCTGGGGCTTCTCTG
GACGGCCGCCCTGGGACCGGGTGAATCTCTCCTGCGGAGGAGTCTCTCATCCCATCCGCTGGGTCTGG
GCACCCAGCTTCCCGCCTGCAAGGGCCTGTCAAAGGACCGGACCGATCCTGTGGCCTCTTCGAGC
GGGACCCCAACCGTGCCTCCCTCCAGCCTTTCGTGGCCGCCTACGCTCCCTGGACTCTGGTATCCGG
CGGCTGGAGCTCCTTTGAGCGCGGGGACTCGGGCACTTTTTTCTGCAAGGGCCGCCACGAGGACGAG
AGCCGTACAGTGCTTACGTGCTGGGGACAGGACCTATTGCAAGCCCCGGGCTACCCATGGGTCC
GTGATACCCAGCTCCTGATCCCGCTGCTGGGCGCTGGGTTGGTCTCGGACTGGGAGCTTTGGGCTG
GTCTGGTGGCTGCACAGGCGCCTGCCCCGCAACCGATTGACCACTCCCTAGATTTGCTCTGTCCCCC
CCACATAGCTCCACTTGTGAAAACCGAGCCCCAGAGGCCAGTAAAGGAGGAAGAGCCAAGATCCAGG
GGACCTGGACCAGGAACCGGTAAGGGCATGGGGATGGGAAGGGGATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_138277

**Insert Size:** 669 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\\_138277.2](#)

RefSeq Size:	2560 bp
RefSeq ORF:	669 bp
Locus ID:	80739
UniProt ID:	<u><a href="#">O95866</a></u>
Cytogenetics:	6p21.33
Protein Families:	Druggable Genome, Transmembrane
MW:	23.6 kDa

**Gene Summary:** This gene is a member of the immunoglobulin (Ig) superfamily and is located in the major histocompatibility complex (MHC) class III region. The protein encoded by this gene is a glycosylated, plasma membrane-bound cell surface receptor, but soluble isoforms encoded by some transcript variants have been found in the endoplasmic reticulum and Golgi before being secreted. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (7) retains the intervening sequence between coding exons 5 and 6 as compared to transcript variant 1. As a result, variant 7 encodes an isoform (G6b-G), which has a different C-terminus than isoform G6b-A. Isoform G6b-G is a transmembrane protein.