

## Product datasheet for **RG222783**

### **MPIG6B (NM\_138277) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MPIG6B (NM_138277) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MPIG6B
Synonyms:	C6orf25; G6b; G6b-B; NG31; THAMY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG222783 representing NM_138277 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGTGTTTCTGCAGCTGCTACCGCTGCTGCTCTCGAGGGCCCAAGGGAACCCTGGGGCTTCTCTGG  
ACGGCCGCCCTGGGGACCGGGTGAATCTCTCTCGCGGAGGAGTCTCTCATCCCATCCGCTGGGTCTGGGC  
ACCCAGCTTCCCGCCTGCAAGGGCCTGTCAAAGGACGCCGACCGATCCTGTGGGCCTCTTCGAGCGGG  
ACCCCCACCGTGCCTCCCTCCAGCCTTTCGTGCGCCGCTACGCTCCCTGGACTCTGGTATCCGGCGGC  
TGGAGCTCCTCTTGAGCGCGGGGACTCGGGCACTTTTTTCTGCAAGGGCCGCCACGAGGACGAGAGCCG  
TACAGTGTTCACGTGCTGGGGACAGGACCTATTGCAAGGCCCCCGGGCTACCCATGGGTCCGTGTAT  
CCCCAGCTCCTGATCCCGCTGCTGGGCGCTGGGTTGGTGTCTCGGACTGGGAGCTTTGGGCCTGGTCTGGT  
GGCTGCACAGGCGCTGCCCCGCAACCGATTCGACCACTCCCTAGATTTGCTCTGTCCCCCCACATAG  
CTCCACTTGTGAAAACCGAGCCCCAGAGGCCAGTAAAGGAGGAAGAGCCCAAGATTCCAGGGGACCTGGA  
CCAGGAACCGGTAAGGGCATGGGGATGGGAAGGGGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG222783 representing NM\_138277  
 Red=Cloning site Green=Tags(s)

MAVFLQLLLPLLLSRAQGNPGASLDGRPGDRVNLSCGGVSHPIRWVWAPSFACKGLSKGRRPILWASSSG  
 TPTVPPLQPFVGRRLSLDSGIRRELELLSAGDSGTFVCKGRHEDESRTLHVLGDRTYCKAPGPTHGSVY  
 PQLLIPLLGAGLVGLGALGLVWWLHRRLLPPQPIRPLPRFALSPHSSTCENRAPEASKGGRAQDSRGP  
 PGTGKGMGMGRG

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_138277

**ORF Size:** 666 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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](#), [NP\\_612121.1](#)

**RefSeq Size:** 870 bp

**RefSeq ORF:** 669 bp

**Locus ID:** 80739

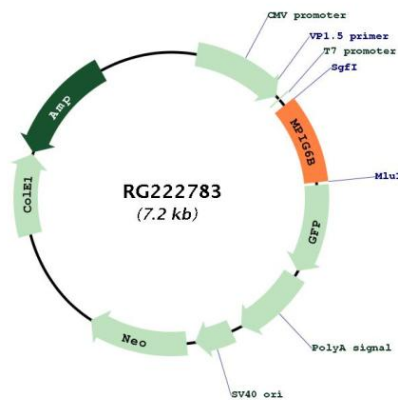
**UniProt ID:** [O95866](#)

**Cytogenetics:** 6p21.33

**Protein Families:** Druggable Genome, Transmembrane

**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]

### Product images:



Circular map for RG222783