

Product datasheet for **RC222335**

MPIG6B (NM_138273) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MPIG6B (NM_138273) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MPIG6B
Synonyms: C6orf25; G6b; G6b-B; NG31; THAMY
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC222335 representing NM_138273
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGTGTTTCTGCAGCTGCTACCGCTGCTGCTCTCGAGGGCCCAAGGGAACCCTGGGGCTTCTCTGG
 ACGGCCGCCCTGGGGACCGGGTGAATCTCTCTCGCGGAGGAGTCTCTCATCCCATCCGCTGGGTCTGGGC
 ACCCAGCTTCCCGCCTGCAAGGGCCTGTCCAAGGACGCCGACCGATCCTGTGGCCTCTTCGAGCGGG
 ACCCCACCGTGCCTCCCTCCAGCCTTTCGTCGGCCGCTACGCTCCCTGGACTCTGGTATCCGGCGGC
 TGGAGCTCCTCTTGAAGCGGGGGACTCGGGCACTTTTTTCTGCAAGGGCCGCCACGAGGACGAGAGCCG
 TACAGTGTTCACGTGCTGGGGACAGGACCTATTGCAAGGCCCCCGGGCTACCCATGGCGCCTGCCCC
 CGCAACCGATTGACCACTCCCTAGATTTGCTCTGTCCCCCACATAGCTCCACTTGTGAAAACCGAGC
 CCCAGAGGCCAGTAAAGGAGGAAGAGCCCAAGATTCCAGGGGACCTGGACCAGGAACCGAGCCTGTCTA
 TGCGGATCTGGACCATCTAGCCCTCAGCAGGCCCGCCGGCTGTCCACAGCGGACCTGTGATGCCTCC
 ACCATCTATGCAGTTGTAGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC222335 representing NM_138273
 Red=Cloning site Green=Tags(s)

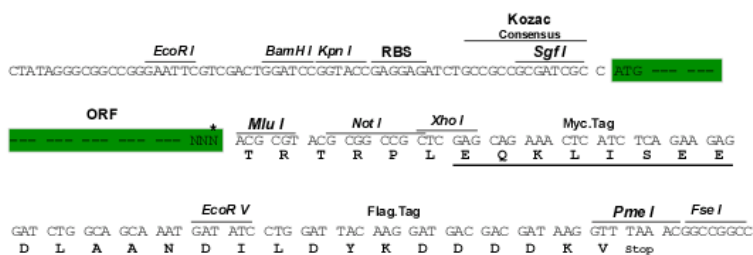
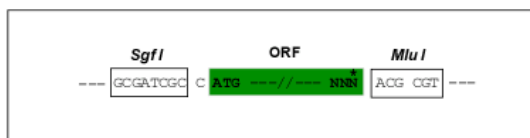
MAVFLQLLPLLLSRAQGNPGASLDGRPGDRVNLSCGGVSHPIRWVWAPSFPAKGLSKGRRPILWASSSG
 TPTVPPLQPFVGRRLSLDSGIRRELELLSAGDSGTFCKGRHEDESRTLHLVLDRTYCKAPGPTHGACP
 RNRFDHSLDLLCPPHIAPLVKTEPQRPVKEEEKIPGDLQEPSSLLYADLDHLALSRPRRLSTADPADAS
 TIYAVVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_138273

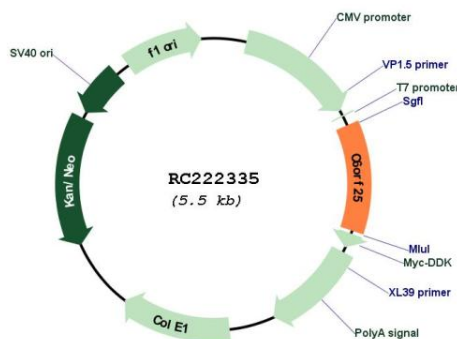
ORF Size: 651 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<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.
RefSeq:	<u>NM_138273.2, NP_612117.1</u>
RefSeq Size:	2344 bp
RefSeq ORF:	654 bp
Locus ID:	80739
UniProt ID:	<u>O95866</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]

Product images:


Circular map for RC222335