

## Product datasheet for **RN208040**

### **Mpig6b (NM\_001003976) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mpig6b (NM\_001003976) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mpig6b  
**Synonyms:** C6orf25; G6b; Ng31  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN208040 representing NM\_001003976  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGGCCTTGGTCCTGCAGCTGCTGCCTCTGTTGCTCTCCAAGGTCCAAGGAATCCCGAGTTTCTCTGG  
 AGGGCAACCTGGGGACCGGGTGAATCTCTCCTGCATAGGGGTCTCCGACCCACCCGCTGGGCTTGGGC  
 GCCTAGTTTCCCAGCATGCAAAGGCCTGTCAAAGGGCGCCGCCGATCCTGTGGCCTCTTCGAGCGGG  
 ACCCCAAGTGTGCTCCAGCACTTCTCTGCCGCCCTGCGTTCCCTCGACACTGGTATCAAGCGGCTAGAGC  
 TGCTACTGAGCGCCGGGATTCTGGTACTTTTTCTGCAAAGGACGCAAGAGAACGAGAGCCGCACAGT  
 GATTCAAGTGTTAGGGGACAAGGCAGGTTGCCGCCTTCGGGATCTACCCACGGATCCGAGTATCCAAA  
 GTCTTGATCCCCTTGTGGGCTTGGGCTTGTGCTGGGACTGGGAGCCTTGGGCTTGGTCTGGTGGCGGC  
 GCAGCTGTGTTCCCTCCCTCCACATAGCTCCAGTCATAAATGCTGAGCCACAGCGGCTTTAGAACAGGA  
 TTCCAAGATCTCAGGCCACCTGGACCAGGAGCCGAACCTCCACTATGCTGATCTGGACCACTCTGTCTC  
 AGGAGGCACCGCCGGATGTCTGCTTTGGTTCCTGGCGATGCTTCCACCGTCTATGCGGTTGTAGCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001003976  
**Insert Size:** 699 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001003976.1</a></u> , <u><a href="#">NP_001003976.1</a></u>
<b>RefSeq Size:</b>	699 bp
<b>RefSeq ORF:</b>	699 bp
<b>Locus ID:</b>	406865
<b>UniProt ID:</b>	<u><a href="#">Q6MG59</a></u>
<b>Cytogenetics:</b>	20p12
<b>Gene Summary:</b>	Inhibitory receptor that acts as a critical regulator of hematopoietic lineage differentiation, megakaryocyte function and platelet production. Inhibits platelet aggregation and activation by agonists such as ADP and collagen-related peptide. This regulation of megakaryocyte function as well as platelet production and activation is done through the inhibition (via the 2 ITIM motifs) of the receptors CLEC1B and GP6:FcRgamma signaling. Appears to operate in a calcium-independent manner.[UniProtKB/Swiss-Prot Function]